

Converting Colors

XYZ(80.6247, 79.1361,
224.2491)

Have a look what the booklet for
XYZ(80.6247, 79.1361, 224.2491)
contains.

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Color

**XYZ(58.1275, 70.3011,
105.1136)**

Conversions

Conversions Part 1

Format	Color
Hex	90E7FF
RGB	144, 231, 255
RGB Percent	56%, 91%, 100%
CMY	0.4353, 0.0941, 0.0000
CMYK	0.44, 0.09, 0.00, 0.00
HSL	193°, 100%, 78%
HSV	193°, 44%, 100%
XYZ	58.1275, 70.3011, 105.1136
YIQ	207.7230, -59.5560, -10.9800

Conversions

Conversions Part 2

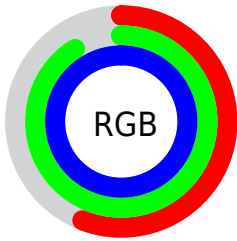
Format	Color
RYB	144, 193, 255
Decimal	9496575
CIELab	87.14, -20.18, -19.83
CIELCh	87, 28.291, 224.500
Yxy	70.3011, 0.2489, 0.3010
Android (android.graphics.Color)	4287686655 (0xFF90E7FF)
YUV	207.7230, 23.3076, -55.8851
Hunter-Lab	83.8458, -22.9819, -15.6371

Details

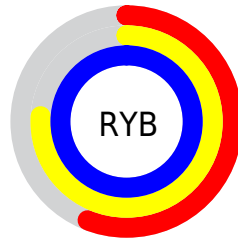
The XYZ color **58.1275, 70.3011, 105.1136** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.2772, 51.2794, 33.1085**, and the grayscale version is **59.6582, 62.7651, 68.3512**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **29.3608, 36.7156, 58.9654** is the 20% darker color. If you saturate the color by 10%, you get **52.6481, 65.2233, 104.4222**, and if you desaturate by 10%, it is **64.6652, 75.9999, 105.8690**.

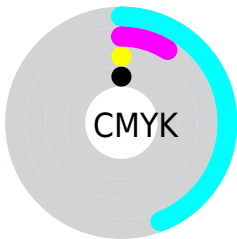
Distribution



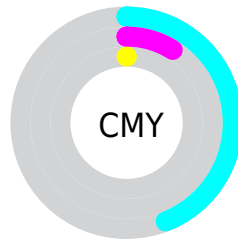
- Red (56%)
- Green (91%)
- Blue (100%)



- Red (56%)
- Yellow (76%)
- Blue (100%)



- Cyan (44%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1275, 70.3011, 105.1136 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 58.1275, 70.3011, 105.1136 by changing the saturation by 10% instead.

■ 58.1275, 70.3011,
105.1136

■ 58.1275, 70.3011,
105.1136

407.6071,
461.6065, 597.8520

■ 42.1548, 51.7720,
79.9373

■ 101.2304,
119.6380, 170.2798

■ 29.4142, 36.8234,
59.1409

■ 129.0913,
151.2147, 211.1068

■ 19.5402, 25.0708,
42.3058

161.6457,
187.9094, 257.9879

■ 12.1676, 16.1298,
29.0135

199.2589,
230.1065, 311.3414

■ 6.9309, 9.6161,
18.8453

242.2963,
278.1903, 371.5861

■ 3.4649, 5.1451,
11.3829

291.1232,

■ 1.4041, 2.3327,

332.5453, 439.1404

6.2076

346.1050,
393.5559, 514.4229

■ 0.2591, 0.7909,
2.9009

■ 0.0000, 0.0000,
1.0443

■ 58.1275, 70.3011,
105.1136

■ 58.1275, 70.3011,
105.1136

■ 52.6481, 65.2233,
104.4222

■ 64.6652, 75.9999,
105.8690

■ 48.1521, 60.7223,
103.7904

■ 72.3179, 82.3446,
106.6903

■ 44.5640, 56.7602,
103.2148

■ 81.1451, 89.3683,
107.5808

■ 41.7938, 53.2899,
102.6910

■ 91.2005, 97.0992,
108.5430

■ 39.7323, 50.2544,
102.2137

95.0500, 100.0000,
108.9000

■ 38.6745, 48.4690,
101.9248

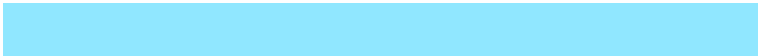
Harmonies

Analogous

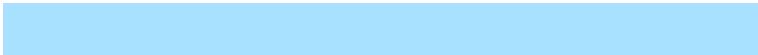
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.2145, 70.3011, 86.0624



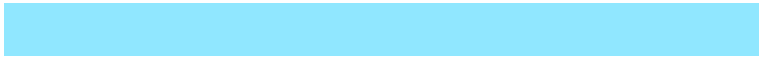
58.1275, 70.3011, 105.1136



63.4679, 70.3011, 117.4227

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.1275, 70.3011, 105.1136



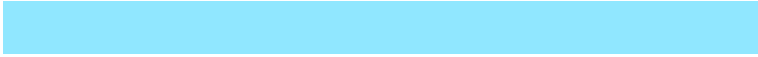
79.8805, 70.3011, 86.7296



63.6758, 70.3011, 46.3448

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



58.1275, 70.3011, 105.1136



60.2772, 51.2794, 33.1085

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.2863, 70.3011, 46.4630



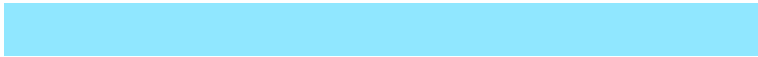
58.1275, 70.3011, 105.1136



79.9454, 70.3011, 67.7582

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.1275, 70.3011, 105.1136



76.1648, 70.3011, 105.6712



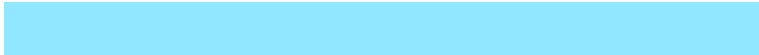
76.3366, 70.3011, 53.6888



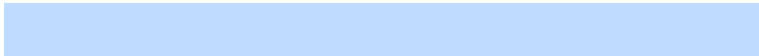
58.2710, 70.3011, 53.3339

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.1275, 70.3011, 105.1136



67.8250, 70.3011, 119.0475



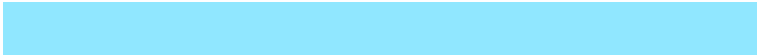
76.3366, 70.3011, 53.6888



65.8232, 70.3011, 45.5967

Sweetspot

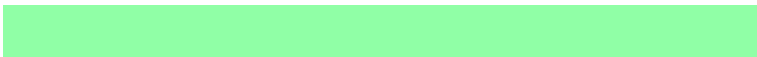
The Sweet Spot groups the original color and five complimentary colors.



58.1294, 70.3037, 105.1140



81.6444, 89.7582, 107.6297



54.1641, 80.2104, 48.8019



17.0330, 18.8656, 22.9936



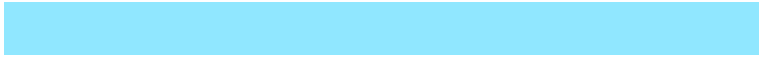
0.0000, 0.0000, 0.0000



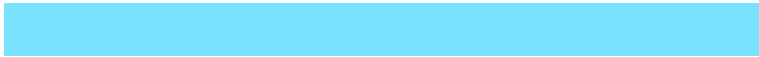
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.1294, 70.3037, 105.1140



53.4198, 65.9609, 104.5239



45.3346, 44.7140, 100.8490



18.2020, 19.7757, 23.1077



20.3225, 25.5545, 53.2960



2.0575, 2.6458, 5.2155

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



65.6383, 46.9777, 81.2122



62.0220, 40.7868, 76.7951



72.3165, 75.3579, 37.1215



18.6146, 18.2292, 21.8537



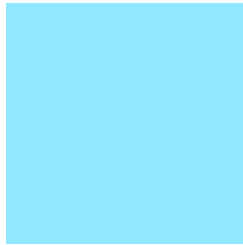
27.0460, 13.3077, 29.9566



2.6732, 1.3116, 3.1263

Previews

White Background



This preview shows how the XYZ color 58.1275, 70.3011, 105.1136 looks on a white background.

Color Contrast Check

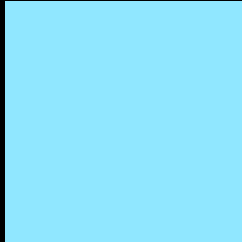
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 58.1275, 70.3011, 105.1136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.1275, 70.3011, 105.1136

Background



This preview shows how black text looks on a background with the XYZ color 58.1275, 70.3011, 105.1136.

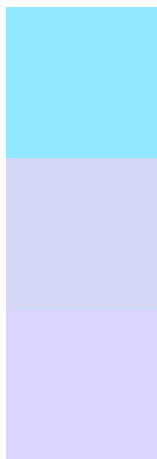


This preview shows how white text looks on a background with the XYZ color 58.1275, 70.3011,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

58.1275, 70.3011, 105.1136

Protanopia

68.4779, 69.8504, 96.2595

Deuteranopia

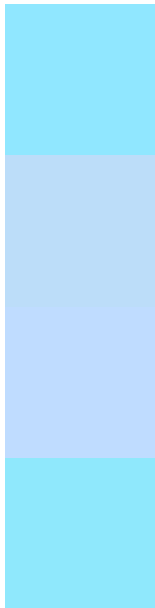
70.7577, 69.7139, 104.3345



Tritanopia

57.4396, 70.4550, 101.0143

Trichromacy



Original Color

58.1275, 70.3011, 105.1136

Protanomaly

63.6944, 69.2438, 99.6309

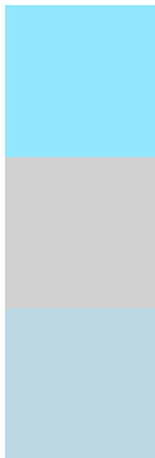
Deuteranomaly

65.1291, 69.4828, 104.5866

Tritanomaly

57.7550, 70.5811, 102.6750

Monochromacy



Original Color

58.1275, 70.3011, 105.1136

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.1541, 64.8623, 80.6888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1275, 70.3011, 105.1136 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(144, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(144, 231, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(144, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.1275, 70.3011, 105.1136 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(144, 231, 255) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(144, 231, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(144, 231, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(144, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1275, 70.3011, 105.1136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 231, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(144,  
231, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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