

Converting Colors

XYZ(62.4440, 71.9665,
135.5324)

Have a look what the booklet for
XYZ(62.4440, 71.9665, 135.5324)
contains.

XYZ(56.6176, 69.5227, 105.0429)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.6176, 69.5227,
105.0429)**

Conversions

Conversions Part 1

Format	Color
Hex	87E7FF
RGB	135, 231, 255
RGB Percent	53%, 91%, 100%
CMY	0.4706, 0.0941, 0.0000
CMYK	0.47, 0.09, 0.00, 0.00
HSL	192°, 100%, 76%
HSV	192°, 47%, 100%
XYZ	56.6176, 69.5227, 105.0429
YIQ	205.0320, -64.9200, -12.8880

Conversions

Conversions Part 2

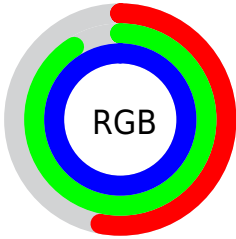
Format	Color
R_{YB}	135, 188, 255
Decimal	8906751
CIE _{Lab}	86.76, -22.24, -20.44
CIE _{LCh}	87, 30.208, 222.593
Yxy	69.5227, 0.2449, 0.3007
Android (android.graphics.Color)	4287096831 (0xFF87E7FF)
YUV	205.0320, 24.6342, -61.4181
Hunter-Lab	83.3803, -24.7089, -16.3277

Details

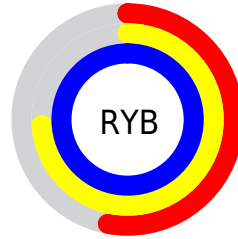
The XYZ color **56.6176, 69.5227, 105.0429** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.0120, 47.8064, 29.0937**, and the grayscale version is **57.9284, 60.9452, 66.3693**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **28.3471, 36.1930, 58.9180** is the 20% darker color. If you saturate the color by 10%, you get **51.5894, 64.8440, 104.4048**, and if you desaturate by 10%, it is **62.6737, 74.7961, 105.7416**.

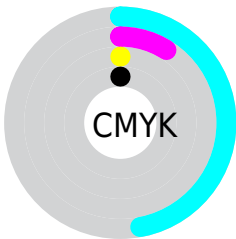
Distribution



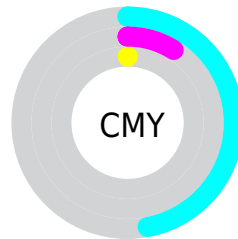
- Red (53%)
- Green (91%)
- Blue (100%)



- Red (53%)
- Yellow (74%)
- Blue (100%)



- Cyan (47%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6176, 69.5227, 105.0429 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 56.6176, 69.5227, 105.0429 by changing the saturation by 10% instead.

56.6176, 69.5227,
105.0429

56.6176, 69.5227,
105.0429

402.0522,
458.8723, 597.6267

40.9372, 51.1375,
79.8784

99.0416, 118.5278,
170.1823

28.4575, 36.3181,
59.0927

126.5159,
149.9166, 210.9943

18.8130, 24.6799,
42.2673

158.6523,
186.4086, 257.8592

11.6385, 15.8388,
28.9835

195.8161,
228.3884, 311.1956

6.5684, 9.4101,
18.8229

238.3726,
276.2402, 371.4220

3.2376, 5.0096,
11.3668

286.6872,

1.2806, 2.2529,

330.3486, 438.9570

6.1969

341.1253,
391.0978, 514.2190

■ 0.1687, 0.7486,
2.8944

■ 0.0000, 0.0000,
1.0410

■ 56.6176, 69.5227,
105.0429

■ 56.6176, 69.5227,
105.0429

■ 51.5894, 64.8440,
104.4048

■ 62.6737, 74.7961,
105.7416

■ 47.5116, 60.7150,
103.8228

■ 69.8164, 80.6904,
106.5028

■ 44.3049, 57.0957,
103.2932

■ 78.1068, 87.2391,
107.3299

■ 41.8738, 53.9364,
102.8115

■ 87.5997, 94.4710,
108.2255

■ 40.0966, 51.1738,
102.3720

95.0500, 100.0000,
108.9000

■ 39.6442, 50.4083,
102.2481

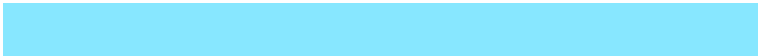
Harmonies

Analogous

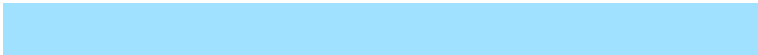
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.7435, 69.5227, 84.4575



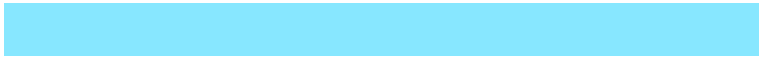
56.6176, 69.5227, 105.0429



62.1166, 69.5227, 118.9811

Triad

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



56.6176, 69.5227, 105.0429



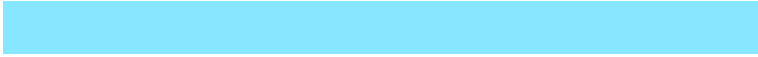
79.8375, 69.5227, 87.8828



63.1753, 69.5227, 43.8495

Complementary

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



56.6176, 69.5227, 105.0429



58.0120, 47.8064, 29.0937

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.



70.2069, 69.5227, 44.4371



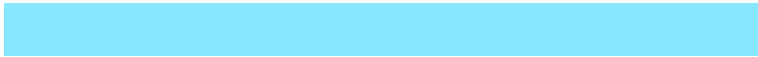
56.6176, 69.5227, 105.0429



80.1714, 69.5227, 67.5669

Square

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



56.6176, 69.5227, 105.0429



75.6579, 69.5227, 107.9306



76.5403, 69.5227, 52.4014



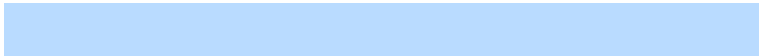
57.3452, 69.5227, 50.6219

Rectangle

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



56.6176, 69.5227, 105.0429



66.6927, 69.5227, 121.3402



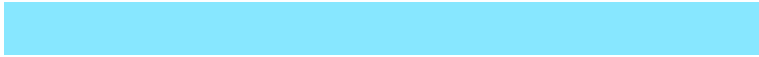
76.5403, 69.5227, 52.4014



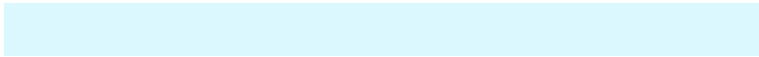
65.4696, 69.5227, 43.2327

Sweetspot

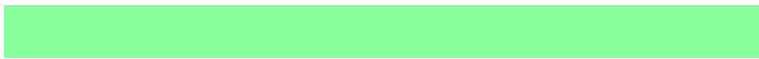
The Sweet Spot groups the original color and five complimentary colors.



56.6195, 69.5253, 105.0433



80.8784, 89.3759, 107.5963



51.8388, 79.1058, 44.4371



16.8900, 18.8058, 22.9896



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.



56.6195, 69.5253, 105.0433



52.0746, 65.3119, 104.4696



42.9869, 42.2600, 100.4991



18.2282, 19.8279, 23.1164



20.8234, 26.5564, 53.4630



2.1022, 2.7351, 5.2304

Inverse Universe

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



64.3291, 44.3592, 80.7757



60.8446, 38.4079, 76.4773



70.4269, 72.6361, 33.2320



18.6278, 18.2344, 21.9232



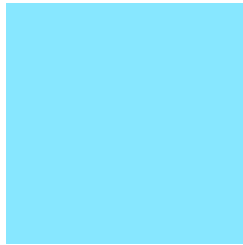
27.2989, 13.4089, 31.2881



2.6957, 1.3207, 3.2450

Previews

White Background



This preview shows how the XYZ color 56.6176, 69.5227, 105.0429 looks on a white background.

Color Contrast Check

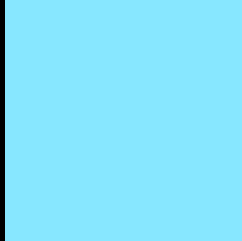
Large Text (above 18pt) WCAG AA × Fail

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 56.6176, 69.5227, 105.0429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

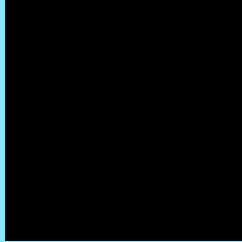
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.6176, 69.5227, 105.0429

Background



This preview shows how black text looks on a background with the XYZ color 56.6176, 69.5227, 105.0429.

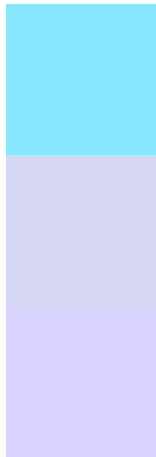


This preview shows how white text looks on a background with the XYZ color 56.6176, 69.5227,

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

56.6176, 69.5227, 105.0429

Protanopia

67.5271, 68.6218, 95.2742

Deuteranopia

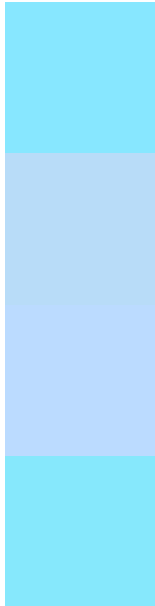
69.9124, 68.9059, 104.2231



Tritanopia

55.9434, 69.6837, 100.9442

Trichromacy



Original Color

56.6176, 69.5227, 105.0429

Protanomaly

62.3036, 68.1541, 98.6782

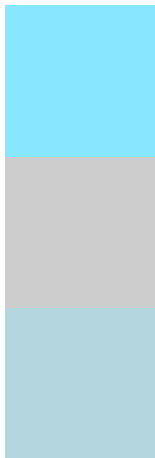
Deuteranomaly

63.8750, 68.4478, 104.4529

Tritanomaly

56.2588, 69.8098, 102.6050

Monochromacy



Original Color

56.6176, 69.5227, 105.0429

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

56.1882, 63.1241, 79.0348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.6176, 69.5227, 105.0429 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(135, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 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(135, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.6176, 69.5227, 105.0429 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(135, 231, 255) }
```


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

```
.border{ border-color:rgb(135, 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(135, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.6176, 69.5227, 105.0429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 231, 255) }
```

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

```
.background{ background-color: rgb(135,  
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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