

Converting Colors

XYZ(56.1771, 80.3198, 90.8370)

Have a look what the booklet for
XYZ(56.1771, 80.3198, 90.8370)
contains.

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Color

**XYZ(56.2349, 80.3429,
91.1411)**

Conversions

Conversions Part 1

Format	Color
Hex	66FFEB
RGB	102, 255, 235
RGB Percent	40%, 100%, 92%
CMY	0.6000, 0.0000, 0.0784
CMYK	0.60, 0.00, 0.08, 0.00
HSL	172°, 100%, 70%
HSV	172°, 60%, 100%
XYZ	56.2349, 80.3429, 91.1411
YIQ	206.9730, -84.7680, -38.6560

Conversions

Conversions Part 2

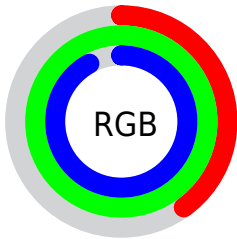
Format	Color
RYB	102, 184, 255
Decimal	6750187
CIELab	91.84, -45.07, -2.56
CIELCh	92, 45.142, 183.249
Yxy	80.3429, 0.2469, 0.3528
Android (android.graphics.Color)	4284940267 (0xFF66FFEB)
YUV	206.9730, 13.8173, -92.0613
Hunter-Lab	89.6342, -44.8721, 2.4572

Details

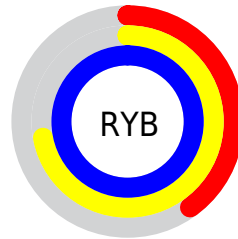
The XYZ color **56.2349, 80.3429, 91.1411** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.5052, 32.1694, 22.0141**, and the grayscale version is **59.2445, 62.3299, 67.8772**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **28.3308, 43.6428, 49.5785** is the 20% darker color. If you saturate the color by 10%, you get **53.2994, 78.8847, 88.5145**, and if you desaturate by 10%, it is **60.0700, 82.2638, 93.8597**.

Distribution



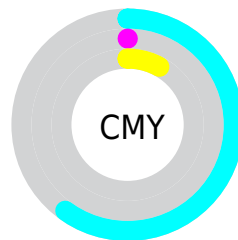
- Red (40%)
- Green (100%)
- Blue (92%)



- Red (40%)
- Yellow (72%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.2349, 80.3429, 91.1411 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 56.2349, 80.3429, 91.1411 by changing the saturation by 10% instead.


 56.2349, 80.3429,
91.1411


 56.2349, 80.3429,
91.1411


400.6368,
496.0877, 552.4014


 40.6290, 60.0006,
68.3484

 98.4858, 133.8477,
150.8718

 28.2157, 43.4191,
49.7128


 125.8615,
167.7790, 188.6468

 18.6296, 30.2141,
34.8157


 157.8911,
207.0087, 232.2531

 11.5054, 20.0011,
23.2385

194.9402,
251.9213, 282.1091

 6.4776, 12.3959,
14.5628

237.3739,
302.9010, 338.6334

 3.1810, 7.0139,
8.3699

285.5577,

 1.2502, 3.4708,

360.3324, 402.2445

4.2414

339.8569,
424.5999, 473.3610

■ 0.1455, 1.3822,
1.7587

■ 0.0000, 0.2035,
0.4005

■ 56.2349, 80.3429,
91.1411

■ 56.2349, 80.3429,
91.1411

■ 53.2994, 78.8847,
88.5145

■ 60.0700, 82.2638,
93.8597

■ 51.1758, 77.8441,
85.9714

■ 64.8754, 84.6839,
96.6697

■ 49.7644, 77.1695,
83.5082

■ 70.7183, 87.6377,
99.5758

■ 48.9006, 76.7762,
81.1169

■ 77.6590, 91.1565,
102.5812

■ 48.9004, 76.7762,
81.1163

■ 85.7532, 95.2688,
105.6887

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



58.1693, 80.3429, 61.8196



56.2349, 80.3429, 91.1411



59.2275, 80.3429, 127.2721

Triad

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



56.2349, 80.3429, 91.1411



89.2230, 80.3429, 152.3189



86.8220, 80.3429, 42.0257

Complementary

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



56.2349, 80.3429, 91.1411



49.5052, 32.1694, 22.0141

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.



96.5219, 80.3429, 56.9885



56.2349, 80.3429, 91.1411



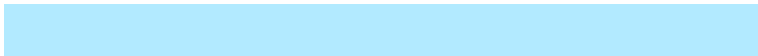
98.0036, 80.3429, 119.4085

Square

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



56.2349, 80.3429, 91.1411



77.6315, 80.3429, 167.7620



100.7997, 80.3429, 83.9178



75.1094, 80.3429, 38.0386

Rectangle

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



56.2349, 80.3429, 91.1411



63.8100, 80.3429, 149.1094



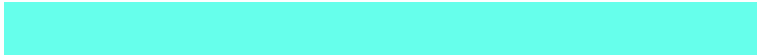
100.7997, 80.3429, 83.9178



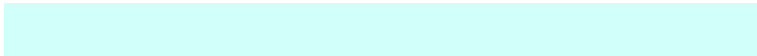
90.4642, 80.3429, 45.7137

Sweetspot

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



56.2359, 80.3435, 91.1426



79.1817, 91.9295, 103.1936



46.2423, 76.6467, 24.9293



16.4766, 19.4373, 21.8970



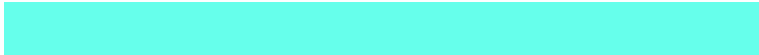
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.2359, 80.3435, 91.1426



52.8119, 78.6444, 87.9985



43.9313, 50.8472, 102.1068



18.4467, 20.4382, 22.6551



25.5914, 40.1331, 42.5950



2.5190, 3.9185, 4.2906

Inverse Universe

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



49.5052, 32.1694, 22.0141



45.6025, 26.6510, 13.6624



55.8833, 46.7088, 18.6425



18.1060, 18.0257, 19.1754



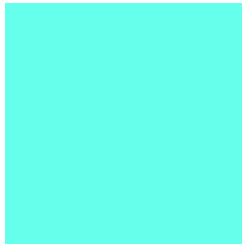
21.7242, 11.1790, 1.9324



2.1438, 1.0999, 0.3386

Previews

White Background



This preview shows how the XYZ color 56.2349, 80.3429, 91.1411 looks on a white background.

Color Contrast Check

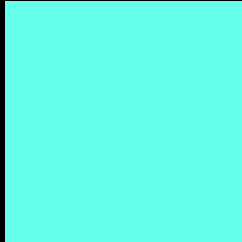
Large Text (above 18pt) WCAG AA × Fail

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 56.2349, 80.3429, 91.1411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

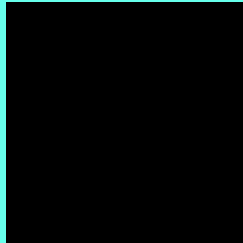
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.2349, 80.3429, 91.1411

Background



This preview shows how black text looks on a background with the XYZ color 56.2349, 80.3429, 91.1411.

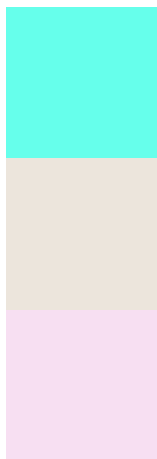


This preview shows how white text looks on a background with the XYZ color 56.2349, 80.3429,

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

56.2349, 80.3429, 91.1411

Protanopia

75.5297, 79.0388, 78.9853

Deuteranopia

80.7725, 78.9603, 94.9881



Tritanopia

66.8154, 79.4949, 106.4303

Trichromacy



Original Color

56.2349, 80.3429, 91.1411



Protanomaly

64.6587, 77.1501, 82.7178



Deuteranomaly

67.5365, 77.1180, 92.9871



Tritanomaly

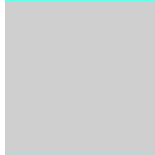
62.2367, 79.5019, 100.8721

Monochromacy



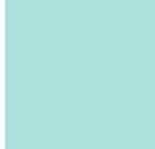
Original Color

56.2349, 80.3429, 91.1411



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

55.5422, 66.7561, 75.6035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2349, 80.3429, 91.1411 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(102, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 235)  
}
```

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(102, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 235) }
```

Border

The CSS property to change the border of an element to XYZ 56.2349, 80.3429, 91.1411 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(102, 255, 235) }
```


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

```
.border{ border-color:rgb(102, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2349, 80.3429, 91.1411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 235) }
```

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

```
.background{ background-color: rgb(102,  
255, 235) }
```

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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