

Converting Colors

XYZ(112.1135, 100.0000,
417.1233)

Have a look what the booklet for
XYZ(112.1135, 100.0000, 417.1233)
contains.

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Color

**XYZ(53.2069, 76.5544,
106.5799)**

Conversions

Conversions Part 1

Format	Color
Hex	22FBFF
RGB	34, 251, 255
RGB Percent	13%, 98%, 100%
CMY	0.8665, 0.0157, 0.0000
CMYK	0.87, 0.02, 0.00, 0.00
HSL	181°, 100%, 57%
HSV	181°, 87%, 100%
XYZ	53.2069, 76.5544, 106.5799
YIQ	186.5730, -130.6160, -44.7600

Conversions

Conversions Part 2

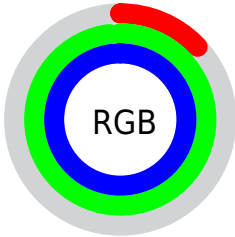
Format	Color
R _Y B	34, 143, 255
Decimal	2292735
CIE Lab	90.12, -45.32, -15.62
CIE LCh	90, 47.935, 199.019
Yxy	76.5544, 0.2251, 0.3239
Android (android.graphics.Color)	4280482815 (0xFF22FBFF)
YUV	186.5730, 33.7345, -133.8065
Hunter-Lab	87.4954, -44.5691, -10.9756

Details

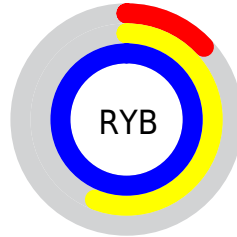
The XYZ color **53.2069, 76.5544, 106.5799** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.2232, 22.7637, 3.6841**, and the grayscale version is **46.8685, 49.3094, 53.6979**.

A 20% lighter version of the original color is **62.5624, 83.2520, 107.3796**, and **29.4848, 42.6608, 60.1064** is the 20% darker color. If you saturate the color by 10%, you get **52.5111, 75.9838, 106.5064**, and if you desaturate by 10%, it is **54.5278, 77.4512, 106.6834**.

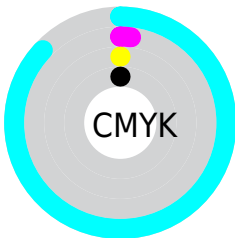
Distribution



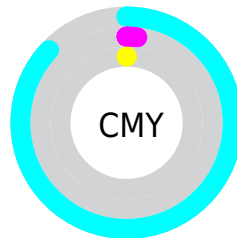
- Red (13%)
- Green (98%)
- Blue (100%)



- Red (13%)
- Yellow (56%)
- Blue (100%)



- Cyan (87%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (87%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2069, 76.5544, 106.5799 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 53.2069, 76.5544, 106.5799 by changing the saturation by 10% instead.


 53.2069, 76.5544,
106.5799


 53.2069, 76.5544,
106.5799


389.3263,
483.2434, 602.5146


 38.1961, 56.8872,
81.1595


 94.0725, 128.5103,
172.3009


 26.3128, 40.9147,
60.1412


 120.6580,
161.5678, 213.4387

 17.1917, 28.2524,
43.1064


 151.8324,
199.8575, 260.6527

 10.4674, 18.5160,
29.6366

 187.9612,
243.7639, 314.3614

 5.7746, 11.3211,
19.3132

229.4096,
293.6712, 374.9834

 2.7479, 6.2833,
11.7177

276.5430,

 1.0219, 3.0181,

349.9640, 442.9373

6.4316

329.7268,
413.0266, 518.6415

■ 0.0000, 1.1412,
3.0362

■ 0.0000, 0.0129,
1.1132

■ 53.2069, 76.5544,
106.5799

■ 53.2069, 76.5544,
106.5799

■ 52.5111, 75.9838,
106.5064

■ 54.5278, 77.4512,
106.6834

■ 52.3563, 75.8326,
106.4854

■ 56.5863, 78.7270,
106.8212

■ 59.4788, 80.4333,
106.9981

■ 63.2858, 82.6116,
107.2179

68.0783, 85.2985,
107.4839

73.9202, 88.5269,
107.7991

80.8702, 92.3270,
108.1663

88.9825, 96.7269,
108.5880

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.



52.5362, 76.5544, 71.4869



53.2069, 76.5544, 106.5799



58.7674, 76.5544, 143.2428

Triad

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



53.2069, 76.5544, 106.5799



91.4351, 76.5544, 134.1272



77.2080, 76.5544, 34.1618

Complementary

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



53.2069, 76.5544, 106.5799



42.2232, 22.7637, 3.6841

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.



88.8202, 76.5544, 43.0322



53.2069, 76.5544, 106.5799



97.6101, 76.5544, 96.4683

Square

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



53.2069, 76.5544, 106.5799



80.4751, 76.5544, 161.9047



96.6042, 76.5544, 63.7753



65.5594, 76.5544, 35.4900

Rectangle

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



53.2069, 76.5544, 106.5799



64.8749, 76.5544, 160.7127



96.6042, 76.5544, 63.7753



81.2652, 76.5544, 35.9261

Sweetspot

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



53.2090, 76.5571, 106.5803



74.3406, 88.7578, 107.8215



36.7660, 71.9987, 13.7690



15.4472, 18.7422, 23.0534



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.



53.2090, 76.5571, 106.5803



52.3563, 75.8326, 106.4854



28.2109, 26.5611, 98.2477



18.5251, 20.4217, 23.2154



27.3701, 39.6498, 55.6452



2.6736, 3.8779, 5.4209

Inverse Universe

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



59.2260, 29.3711, 93.8173



58.5562, 28.1865, 93.1160



52.1502, 42.6178, 6.9932



18.7777, 18.2944, 22.7123



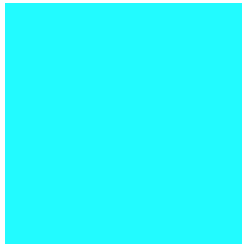
30.6034, 14.7306, 48.6892



2.9841, 1.4360, 4.7637

Previews

White Background



This preview shows how the XYZ color 53.2069, 76.5544, 106.5799 looks on a white background.

Color Contrast Check

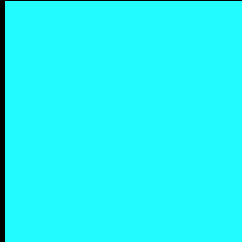
Large Text (above 18pt) WCAG AA × Fail

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 53.2069, 76.5544, 106.5799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

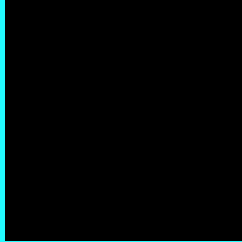
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

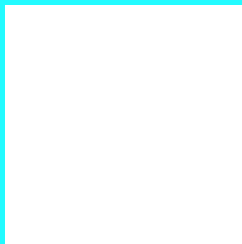
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.2069, 76.5544, 106.5799

Background



This preview shows how black text looks on a background with the XYZ color 53.2069, 76.5544, 106.5799.

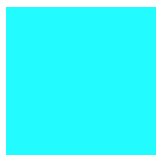


This preview shows how white text looks on a background with the XYZ color 53.2069, 76.5544,

Color Blindness Simulation

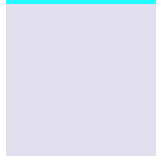
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

53.2069, 76.5544, 106.5799



Protanopia

72.8716, 74.9560, 91.5161



Deuteranopia

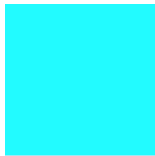
75.6381, 74.9004, 105.0784



Tritanopia

60.6606, 75.8814, 106.0572

Trichromacy



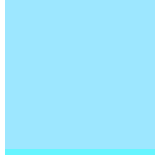
Original Color

53.2069, 76.5544, 106.5799



Protanomaly

59.1783, 71.8774, 96.3426



Deuteranomaly

60.5305, 71.5399, 105.2260



Tritanomaly

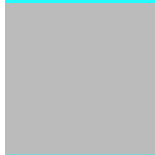
56.2959, 75.4084, 106.1959

Monochromacy



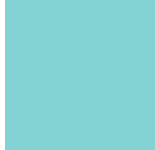
Original Color

53.2069, 76.5544, 106.5799



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.2903, 55.6719, 70.6988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2069, 76.5544, 106.5799 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(34, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(34, 251, 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(34, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.2069, 76.5544, 106.5799 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(34, 251, 255) }
```


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

```
.border{ border-color:rgb(34, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(34, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2069, 76.5544, 106.5799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 251, 255) }
```

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

```
.background{ background-color: rgb(34, 251,  
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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