

Converting Colors

XYZ(81.0231, 85.4910,
256.0458)

Have a look what the booklet for
XYZ(81.0231, 85.4910, 256.0458)
contains.

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Color

**XYZ(52.4219, 73.8616,
106.1015)**

Conversions

Conversions Part 1

Format	Color
Hex	34F6FF
RGB	52, 246, 255
RGB Percent	20%, 96%, 100%
CMY	0.7960, 0.0353, 0.0000
CMYK	0.80, 0.04, 0.00, 0.00
HSL	183°, 100%, 60%
HSV	183°, 80%, 100%
XYZ	52.4219, 73.8616, 106.1015
YIQ	189.0200, -118.5130, -38.3290

Conversions

Conversions Part 2

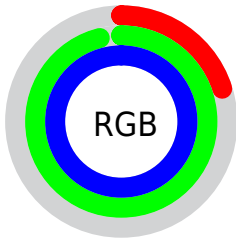
Format	Color
R_{YB}	52, 151, 255
Decimal	3471103
CIE _{Lab}	88.86, -41.93, -17.49
CIE _{LCh}	89, 45.431, 202.648
Yxy	73.8616, 0.2256, 0.3178
Android (android.graphics.Color)	4281661183 (0xFF34F6FF)
YUV	189.0200, 32.5281, -120.1665
Hunter-Lab	85.9428, -41.5215, -13.0371

Details

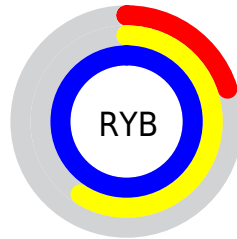
The XYZ color **52.4219, 73.8616, 106.1015** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.5297, 24.8471, 5.7526**, and the grayscale version is **48.2534, 50.7663, 55.2845**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **28.3906, 40.4724, 59.7417** is the 20% darker color. If you saturate the color by 10%, you get **51.1035, 72.6747, 105.9419**, and if you desaturate by 10%, it is **54.4542, 75.4228, 106.2958**.

Distribution



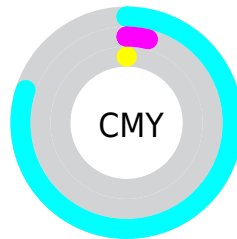
- Red (20%)
- Green (96%)
- Blue (100%)



- Red (20%)
- Yellow (59%)
- Blue (100%)



- Cyan (80%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4219, 73.8616, 106.1015 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 52.4219, 73.8616, 106.1015 by changing the saturation by 10% instead.


 52.4219, 73.8616,
106.1015


 52.4219, 73.8616,
106.1015


386.3605,
473.9956, 600.9955


 37.5671, 54.6808,
80.7607


 92.9237, 124.6996,
171.6418


 25.8226, 39.1462,
59.8147


 119.3014,
157.1256, 212.6784

 16.8229, 26.8735,
42.8449


 150.2508,
194.7353, 259.7839

 10.2028, 17.4782,
29.4330

 186.1372,
237.9134, 313.3770

 5.5970, 10.5760,
19.1602

227.3261,
287.0440, 373.8762

 2.6399, 5.7825,
11.6081

274.1827,

 0.9663, 2.7133,

342.5116, 441.6999

6.3581

327.0723,
404.7007, 517.2669

■ 0.0000, 0.9840,
2.9918

■ 0.0000, 0.0000,
1.0904

■ 52.4219, 73.8616,
106.1015

■ 52.4219, 73.8616,
106.1015

■ 51.1035, 72.6747,
105.9419

■ 54.4542, 75.4228,
106.2958

■ 50.3362, 71.7735,
105.8084

■ 57.2941, 77.4018,
106.5281

■ 50.3099, 71.7398,
105.8033

■ 61.0278, 79.8447,
106.8028

■ 65.7285, 82.7893,
107.1234

■ 71.4622, 86.2695,
107.4930

■ 78.2890, 90.3163,
107.9143

■ 86.2642, 94.9583,
108.3899

■ 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.



51.2306, 73.8616, 72.9111



52.4219, 73.8616, 106.1015



58.1264, 73.8616, 138.8878

Triad

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



52.4219, 73.8616, 106.1015



88.4125, 73.8616, 123.1009



72.9473, 73.8616, 34.0328

Complementary

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



52.4219, 73.8616, 106.1015



43.5297, 24.8471, 5.7526

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.



83.8467, 73.8616, 41.2132



52.4219, 73.8616, 106.1015



93.3622, 73.8616, 88.4334

Square

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



52.4219, 73.8616, 106.1015



78.6748, 73.8616, 150.3576



91.6095, 73.8616, 59.2623



62.3627, 73.8616, 36.4418

Rectangle

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



52.4219, 73.8616, 106.1015



64.0768, 73.8616, 153.2842



91.6095, 73.8616, 59.2623



76.7082, 73.8616, 35.3231

Sweetspot

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



52.4239, 73.8642, 106.1019



75.1476, 88.4644, 107.7224



37.9609, 72.5640, 16.1138



15.5743, 18.6317, 23.0254



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.



52.4239, 73.8642, 106.1019



50.5736, 72.0776, 105.8546



29.8608, 28.7380, 98.5809



18.4818, 20.3352, 23.2009



26.3183, 37.5462, 55.2946



2.5830, 3.6968, 5.3907

Inverse Universe

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



59.1039, 30.3716, 89.9388



57.7027, 28.0222, 88.0751



54.4787, 46.7451, 9.4022



18.7558, 18.2856, 22.5974



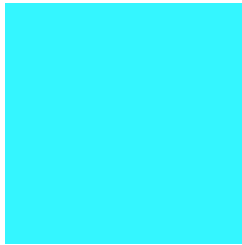
30.0725, 14.5183, 45.8936



2.9384, 1.4177, 4.5230

Previews

White Background



This preview shows how the XYZ color 52.4219, 73.8616, 106.1015 looks on a white background.

Color Contrast Check

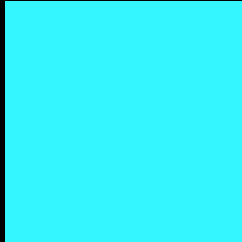
Large Text (above 18pt) WCAG AA × Fail

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 52.4219, 73.8616, 106.1015 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 52.4219, 73.8616, 106.1015

Background



This preview shows how black text looks on a background with the XYZ color 52.4219, 73.8616, 106.1015.

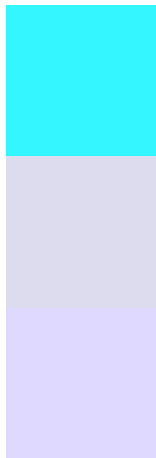


This preview shows how white text looks on a background with the XYZ color 52.4219, 73.8616,

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

52.4219, 73.8616, 106.1015

Protanopia

70.5410, 72.5751, 91.1794

Deuteranopia

73.2943, 72.5337, 104.7451



Tritanopia

57.2287, 73.2381, 105.7278

Trichromacy



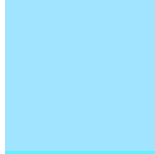
Original Color

52.4219, 73.8616, 106.1015



Protanomaly

58.6465, 69.9412, 95.9970



Deuteranomaly

60.4913, 70.2839, 104.9857



Tritanomaly

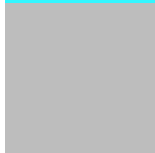
54.8391, 73.3209, 105.8698

Monochromacy



Original Color

52.4219, 73.8616, 106.1015



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.7043, 56.3863, 71.4256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4219, 73.8616, 106.1015 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(52, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(52, 246, 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(52, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.4219, 73.8616, 106.1015 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(52, 246, 255) }
```


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

```
.border{ border-color:rgb(52, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(52, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4219, 73.8616, 106.1015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 246, 255) }
```

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

```
.background{ background-color: rgb(52, 246,  
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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