

Converting Colors

XYZ(50.5237, 70.2546,
105.4020)

Have a look what the booklet for
XYZ(50.5237, 70.2546, 105.4020)
contains.

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Color

**XYZ(50.5255, 70.2183,
105.4983)**

Conversions

Conversions Part 1

Format	Color
Hex	32F0FF
RGB	50, 240, 255
RGB Percent	20%, 94%, 100%
CMY	0.8038, 0.0588, 0.0000
CMYK	0.80, 0.06, 0.00, 0.00
HSL	184°, 100%, 60%
HSV	184°, 80%, 100%
XYZ	50.5255, 70.2183, 105.4983
YIQ	184.9000, -118.0550, -35.6150

Conversions

Conversions Part 2

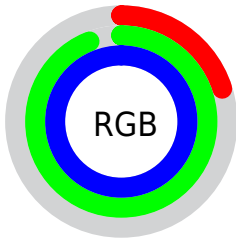
Format	Color
R _Y B	50, 149, 255
Decimal	3338495
CIE Lab	87.10, -39.38, -20.14
CIE LCh	87, 44.228, 207.089
Yxy	70.2183, 0.2233, 0.3104
Android (android.graphics.Color)	4281528575 (0xFF32F0FF)
YUV	184.9000, 34.5593, -118.3073
Hunter-Lab	83.7964, -39.0160, -15.9877

Details

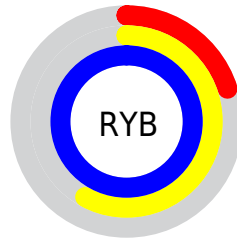
The XYZ color **50.5255, 70.2183, 105.4983** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.7074, 25.2729, 5.5943**, and the grayscale version is **45.9234, 48.3150, 52.6151**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **27.1265, 37.9442, 59.3203** is the 20% darker color. If you saturate the color by 10%, you get **49.0538, 68.6500, 105.2731**, and if you desaturate by 10%, it is **52.7056, 72.1632, 105.7588**.

Distribution



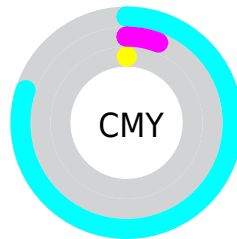
- Red (20%)
- Green (94%)
- Blue (100%)



- Red (20%)
- Yellow (58%)
- Blue (100%)



- Cyan (80%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5255, 70.2183, 105.4983 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 50.5255, 70.2183, 105.4983 by changing the saturation by 10% instead.

 50.5255, 70.2183,
105.4983


 50.5255, 70.2183,
105.4983


379.1355,
461.3161, 599.0771


 36.0506, 51.7045,
80.2579


 90.1402, 119.5200,
170.8103


 24.6436, 36.7696,
59.4032


 116.0107,
151.0767, 211.7191

 15.9390, 25.0292,
42.5156


 146.4104,
187.7499, 258.6876

 9.5716, 16.0988,
29.1767

 181.7048,
229.9239, 312.1346

 5.1759, 9.5941,
18.9678

222.2592,
277.9831, 372.4785

 2.3867, 5.1307,
11.4704

268.4388,

 0.8385, 2.3241,

332.3120, 440.1378

6.2661

320.6092,
393.2948, 515.5312

■ 0.0000, 0.7864,
2.9361

■ 0.0000, 0.0000,
1.0621

■ 50.5255, 70.2183,
105.4983

■ 50.5255, 70.2183,
105.4983

■ 49.0538, 68.6500,
105.2731

■ 52.7056, 72.1632,
105.7588

■ 48.1446, 67.4092,
105.0815

■ 55.6899, 74.5296,
106.0582

■ 59.5653, 77.3638,
106.4010

■ 64.4059, 80.7041,
106.7906

70.2782, 84.5846,
107.2302

77.2426, 89.0368,
107.7224

85.3550, 94.0892,
108.2701

94.6672, 99.7687,
108.8755

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.



48.7523, 70.2183, 73.5942



50.5255, 70.2183, 105.4983



56.4887, 70.2183, 135.0683

Triad

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



50.5255, 70.2183, 105.4983



84.9054, 70.2183, 111.8428



67.7574, 70.2183, 32.4511

Complementary

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



50.5255, 70.2183, 105.4983



43.7074, 25.2729, 5.5943

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.



78.1630, 70.2183, 37.8571



50.5255, 70.2183, 105.4983



88.6844, 70.2183, 79.3906

Square

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



50.5255, 70.2183, 105.4983



76.2317, 70.2183, 139.3479



86.0990, 70.2183, 53.3019



58.0715, 70.2183, 36.0721

Rectangle

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



50.5255, 70.2183, 105.4983



62.3864, 70.2183, 146.6604



86.0990, 70.2183, 53.3019



71.2924, 70.2183, 33.2305

Sweetspot

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



50.5274, 70.2208, 105.4986



74.5950, 87.3593, 107.5382



37.9928, 72.5652, 16.8076



15.4388, 18.3608, 22.9802



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.



50.5274, 70.2208, 105.4986



48.4880, 67.9064, 105.1594



28.5764, 26.3188, 98.1816



18.4344, 20.2405, 23.1852



25.2047, 35.3189, 54.9234



2.4867, 3.5041, 5.3586

Inverse Universe

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



58.1101, 29.8343, 85.1366



56.6500, 27.6011, 82.5316



55.4842, 48.8266, 9.5199



18.7319, 18.2761, 22.4715



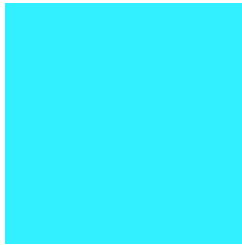
29.5103, 14.2934, 42.9334



2.8898, 1.3983, 4.2670

Previews

White Background



This preview shows how the XYZ color 50.5255, 70.2183, 105.4983 looks on a white background.

Color Contrast Check

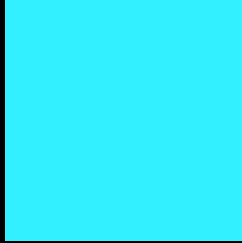
Large Text (above 18pt) WCAG AA × Fail

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 50.5255, 70.2183, 105.4983 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

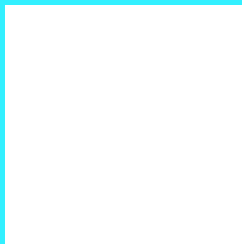
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.5255, 70.2183, 105.4983

Background



This preview shows how black text looks on a background with the XYZ color 50.5255, 70.2183, 105.4983.

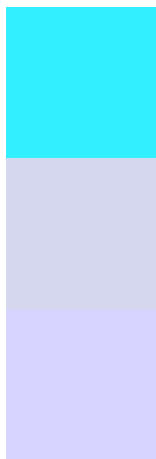


This preview shows how white text looks on a background with the XYZ color 50.5255, 70.2183,

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

50.5255, 70.2183, 105.4983

Protanopia

67.3210, 68.9790, 91.4274

Deuteranopia

69.6178, 68.7540, 104.2093



Tritanopia

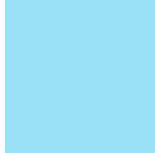
52.4540, 69.9122, 105.3375

Trichromacy



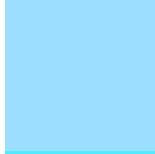
Original Color

50.5255, 70.2183, 105.4983



Protanomaly

56.4635, 66.7739, 96.2989



Deuteranomaly

57.6888, 66.4311, 104.3897



Tritanomaly

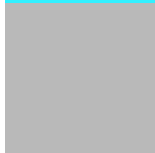
51.5262, 69.8649, 105.3773

Monochromacy



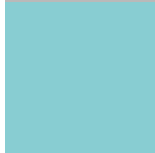
Original Color

50.5255, 70.2183, 105.4983



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.6175, 53.5500, 69.0101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5255, 70.2183, 105.4983 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(50, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(50, 240, 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(50, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.5255, 70.2183, 105.4983 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(50, 240, 255) }
```


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

```
.border{ border-color:rgb(50, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(50, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5255, 70.2183, 105.4983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 240, 255) }
```

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

```
.background{ background-color: rgb(50, 240,  
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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