

Converting Colors

XYZ(50.2176, 71.0702,
105.6789)

Have a look what the booklet for
XYZ(50.2176, 71.0702, 105.6789)
contains.

| | |
|------------------------------------------------|----|
| XYZ(50.1330, 70.8948, 105.6495) | 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(50.1330, 70.8948,
105.6495)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 16F2FF |
| RGB | 22, 242, 255 |
| RGB Percent | 9%, 95%, 100% |
| CMY | 0.9136, 0.0510, 0.0000 |
| CMYK | 0.91, 0.05, 0.00, 0.00 |
| HSL | 183°, 100%, 54% |
| HSV | 183°, 91%, 100% |
| XYZ | 50.1330, 70.8948, 105.6495 |
| YIQ | 177.7020, -135.2930, -42.5970 |

Conversions

Conversions Part 2

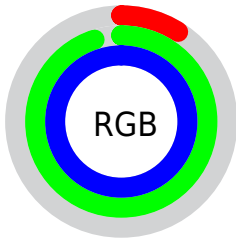
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 22, 135, 255 |
| Decimal | 1503999 |
| CIE Lab | 87.43, -41.85, -19.67 |
| CIE LCh | 87, 46.241, 205.169 |
| Yxy | 70.8948, 0.2212, 0.3128 |
| Android (android.graphics.Color) | 4279694079 (0xFF16F2FF) |
| YUV | 177.7020, 38.1079, -136.5507 |
| Hunter-Lab | 84.1990, -41.0676, -15.4553 |

Details

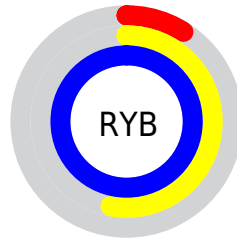
The XYZ color **50.1330, 70.8948, 105.6495** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.9875, 22.5226, 2.8956**, and the grayscale version is **42.0235, 44.2120, 48.1469**.

A 20% lighter version of the original color is **61.9784, 82.9510, 107.3523**, and **27.5420, 38.7751, 59.4588** is the 20% darker color. If you saturate the color by 10%, you get **49.4383, 69.9966, 105.5128**, and if you desaturate by 10%, it is **51.4257, 72.1938, 105.8321**.

Distribution



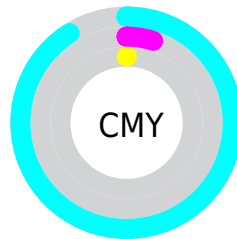
- Red (9%)
- Green (95%)
- Blue (100%)



- Red (9%)
- Yellow (53%)
- Blue (100%)



- Cyan (91%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (91%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1330, 70.8948, 105.6495 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 50.1330, 70.8948, 105.6495 by changing the saturation by 10% instead.


 50.1330, 70.8948,
105.6495


 50.1330, 70.8948,
105.6495


377.6292,
463.6856, 599.5583


 35.7373, 52.2564,
80.3839


 89.5625, 120.4839,
171.0188


 24.4006, 37.2094,
59.5063


 115.3271,
152.2034, 211.9596

 15.7574, 25.3697,
42.5981


 145.6120,
189.0520, 258.9625

 9.4424, 16.3527,
29.2409

 180.7827,
231.4141, 312.4461

 5.0902, 9.7741,
19.0160

221.2043,
279.6741, 372.8290

 2.3356, 5.2494,
11.5049

267.2424,

 0.8128, 2.3943,

334.2164, 440.5296

6.2891

319.2623,
395.4255, 515.9665

■ 0.0000, 0.8230,
2.9500

■ 0.0000, 0.0000,
1.0692

■ 50.1330, 70.8948,
105.6495

■ 50.1330, 70.8948,
105.6495

■ 49.4383, 69.9966,
105.5128

■ 51.4257, 72.1938,
105.8321

■ 53.4076, 73.8514,
106.0476

■ 56.1842, 75.9237,
106.3013

■ 59.8419, 78.4551,
106.5971

■ 64.4556, 81.4843,
106.9386

■ 70.0925, 85.0459,
107.3290

■ 76.8134, 89.1713,
107.7710

■ 84.6746, 93.8895,
108.2674

■ 93.7284, 99.2274,
108.8205

Harmonies

Analogous

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



48.5761, 70.8948, 72.2453



50.1330, 70.8948, 105.6495



56.1036, 70.8948, 137.7162

Triad

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



50.1330, 70.8948, 105.6495



86.1004, 70.8948, 116.8182



69.1645, 70.8948, 31.4869

Complementary

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



50.1330, 70.8948, 105.6495



41.9875, 22.5226, 2.8956

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.



80.0819, 70.8948, 37.6499



50.1330, 70.8948, 105.6495



90.5090, 70.8948, 82.3604

Square

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



50.1330, 70.8948, 105.6495



76.6994, 70.8948, 145.2893



88.1963, 70.8948, 54.3676



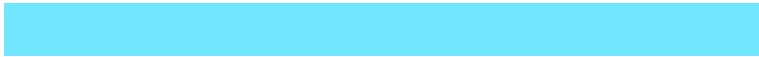
58.8540, 70.8948, 34.6027

Rectangle

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



50.1330, 70.8948, 105.6495



62.1579, 70.8948, 151.0040



88.1963, 70.8948, 54.3676



72.8938, 70.8948, 32.4801

Sweetspot

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



50.1350, 70.8973, 105.6499



72.8830, 86.7715, 107.5150



36.3762, 71.8048, 13.4327



15.1279, 18.2812, 22.9812



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.



50.1350, 70.8973, 105.6499



49.4383, 69.9966, 105.5128



25.9550, 22.5373, 97.5899



18.4629, 20.2975, 23.1947



25.8701, 36.6498, 55.1452



2.5443, 3.6193, 5.3778

Inverse Universe

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



57.5553, 28.2465, 86.4256



57.0834, 27.5973, 85.3600



52.3187, 43.1850, 6.3393



18.7463, 18.2818, 22.5472



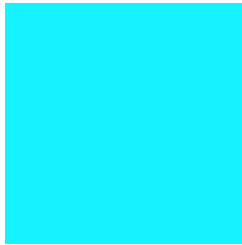
29.8462, 14.4278, 44.7023



2.9189, 1.4099, 4.4201

Previews

White Background



This preview shows how the XYZ color 50.1330, 70.8948, 105.6495 looks on a white background.

Color Contrast Check

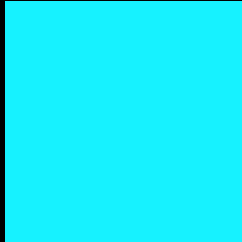
Large Text (above 18pt) WCAG AA × Fail

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 50.1330, 70.8948, 105.6495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

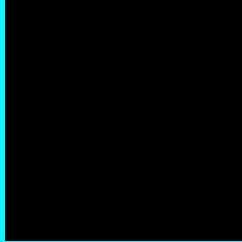
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1330, 70.8948, 105.6495

Background



This preview shows how black text looks on a background with the XYZ color 50.1330, 70.8948, 105.6495.

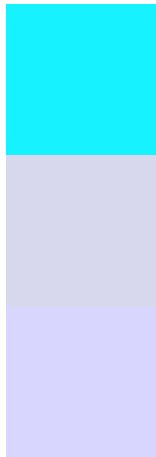


This preview shows how white text looks on a background with the XYZ color 50.1330, 70.8948,

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

50.1330, 70.8948, 105.6495

Protanopia

68.0128, 69.7319, 90.7639

Deuteranopia

70.1632, 69.4074, 104.3067



Tritanopia

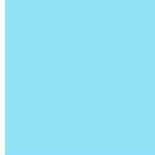
53.2406, 70.7488, 105.4575

Trichromacy



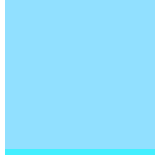
Original Color

50.1330, 70.8948, 105.6495



Protanomaly

54.9314, 66.4018, 95.5096



Deuteranomaly

56.3827, 66.5511, 104.4817



Tritanomaly

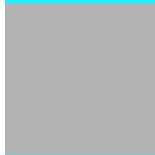
51.3004, 70.1819, 105.4504

Monochromacy



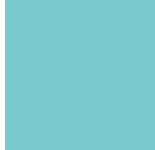
Original Color

50.1330, 70.8948, 105.6495



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.9124, 50.2945, 65.9967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1330, 70.8948, 105.6495 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(22, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(22, 242, 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(22, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.1330, 70.8948, 105.6495 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(22, 242, 255) }
```


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

```
.border{ border-color:rgb(22, 242, 255) }
```

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

Here you see how a box with a 4 pixel rgb(22, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(22, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1330, 70.8948, 105.6495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 242, 255) }
```

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

```
.background{ background-color: rgb(22, 242,  
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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