

Converting Colors

XYZ(38.0566, 45.2885,
101.3435)

Have a look what the booklet for
XYZ(38.0566, 45.2885, 101.3435)
contains.

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Color

**XYZ(37.9962, 45.1597,
101.3218)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 32BFFF |
| RGB | 50, 191, 255 |
| RGB Percent | 20%, 75%, 100% |
| CMY | 0.8038, 0.2510, 0.0000 |
| CMYK | 0.80, 0.25, 0.00, 0.00 |
| HSL | 199°, 100%, 60% |
| HSV | 199°, 80%, 100% |
| XYZ | 37.9962, 45.1597, 101.3218 |
| YIQ | 156.1370, -104.5800, -9.9880 |

Conversions

Conversions Part 2

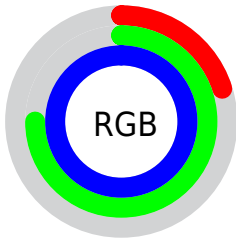
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 50, 134, 255 |
| Decimal | 3325951 |
| CIE Lab | 73.00, -15.28, -41.82 |
| CIE LCh | 73, 44.519, 249.930 |
| Yxy | 45.1597, 0.2060, 0.2448 |
| Android (android.graphics.Color) | 4281516031 (0xFF32BFFF) |
| YUV | 156.1370, 48.7395, -93.0821 |
| Hunter-Lab | 67.2010, -16.6757, -42.3534 |

Details

The XYZ color **37.9962, 45.1597, 101.3218** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **47.8354, 33.5290, 6.9704**, and the grayscale version is **31.4869, 33.1266, 36.0749**.

A 20% lighter version of the original color is **60.2129, 78.3307, 106.5535**, and **19.2815, 22.2542, 56.7053** is the 20% darker color. If you saturate the color by 10%, you get **35.3811, 41.3044, 100.7155**, and if you desaturate by 10%, it is **41.4075, 49.5670, 101.9927**.

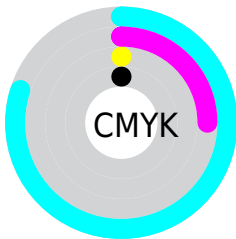
Distribution



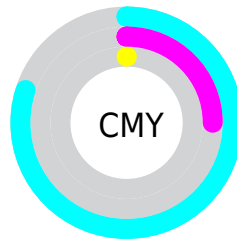
- Red (20%)
- Green (75%)
- Blue (100%)



- Red (20%)
- Yellow (53%)
- Blue (100%)



- Cyan (80%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9962, 45.1597, 101.3218 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 37.9962, 45.1597, 101.3218 by changing the saturation by 10% instead.

■ 37.9962, 45.1597,
101.3218

■ 37.9962, 45.1597,
101.3218

328.8848,
367.4200, 585.7051

■ 26.1569, 31.5832,
76.7819

■ 71.4062, 82.9600,
165.0401

■ 17.0744, 21.0434,
56.5634

■ 93.7077, 107.9526,
205.0556

■ 10.3832, 13.1557,
40.2478

■ 120.2274,
137.5194, 251.0667

■ 5.7180, 7.5359,
27.4165

■ 151.3305,
172.0448, 303.4919

■ 2.7134, 3.7994,
17.6511

187.3824,
211.9132, 362.7499

■ 1.0041, 1.5620,
10.5329

228.7485,

■ 0.0000, 0.3318,

257.5089, 429.2590

5.6435

275.7942,
309.2163, 503.4379

■ 0.0000, 0.0000,
2.5643

■ 0.0000, 0.0000,
0.8739

■ 37.9962, 45.1597,
101.3218

■ 37.9962, 45.1597,
101.3218

■ 35.3811, 41.3044,
100.7155

■ 41.4075, 49.5670,
101.9927

■ 33.4551, 38.0302,
100.1850

■ 45.7137, 54.5772,
102.7328

■ 51.0026, 60.2384,
103.5468

■ 57.3497, 66.5915,
104.4385

■ 64.8227, 73.6735,
105.4116

■ 73.4834, 81.5182,
106.4693

■ 83.3890, 90.1571,
107.6147

■ 94.5926, 99.6194,
108.8506

■ 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.



32.4529, 45.1597, 82.0754



37.9962, 45.1597, 101.3218



45.5520, 45.1597, 104.5251

Triad

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



37.9962, 45.1597, 101.3218



59.3901, 45.1597, 42.1536



34.0277, 45.1597, 23.1121

Complementary

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



37.9962, 45.1597, 101.3218



47.8354, 33.5290, 6.9704

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.



40.3970, 45.1597, 17.9139



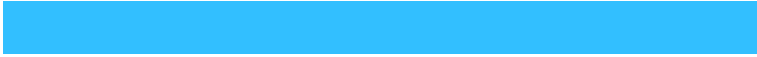
37.9962, 45.1597, 101.3218



55.4326, 45.1597, 26.4986

Square

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



37.9962, 45.1597, 101.3218



58.5454, 45.1597, 65.3690



48.2581, 45.1597, 18.9312



30.3607, 45.1597, 35.8980

Rectangle

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



37.9962, 45.1597, 101.3218



50.8194, 45.1597, 96.3701



48.2581, 45.1597, 18.9312



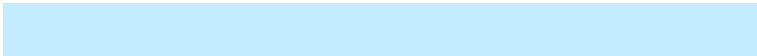
35.8900, 45.1597, 20.6248

Sweetspot

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



37.9976, 45.1612, 101.3220



70.2113, 78.5919, 106.0770



39.9740, 73.3577, 27.2403



14.3715, 16.2261, 22.6244



0.0000, 0.0000, 0.0000



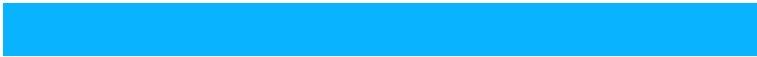
20.3446, 21.4041, 23.3091

Same Dimension

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



37.9976, 45.1612, 101.3220



34.2117, 39.3539, 100.4007



23.1088, 15.3835, 96.3591



18.0484, 19.4684, 23.0565



17.6204, 20.1504, 52.3953



1.8133, 2.1573, 5.1341

Inverse Universe

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



51.7857, 27.3046, 51.8324



49.4440, 24.7187, 44.5854



65.8637, 69.5856, 12.9798



18.5371, 18.1981, 21.4454



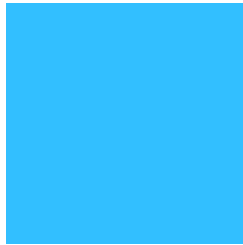
25.6822, 12.7622, 22.7745



2.5499, 1.2623, 2.4770

Previews

White Background



This preview shows how the XYZ color 37.9962, 45.1597, 101.3218 looks on a white background.

Color Contrast Check

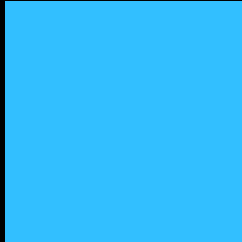
Large Text (above 18pt) WCAG AA × Fail

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 37.9962, 45.1597, 101.3218 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

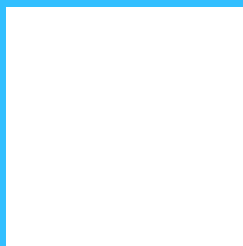
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9962, 45.1597, 101.3218

Background



This preview shows how black text looks on a background with the XYZ color 37.9962, 45.1597, 101.3218.



This preview shows how white text looks on a background with the XYZ color 37.9962, 45.1597,

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

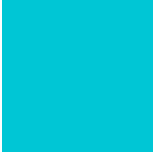
37.9962, 45.1597, 101.3218

Protanopia

45.6082, 44.4001, 90.9603

Deuteranopia

45.6080, 44.4737, 100.7882



Tritanopia

32.2043, 45.1923, 69.9764

Trichromacy



Original Color

37.9962, 45.1597, 101.3218

Protanomaly

40.9201, 43.6851, 94.2710

Deuteranomaly

41.2560, 43.7125, 100.8707

Tritanomaly

33.7682, 44.7602, 80.2586

Monochromacy



Original Color

37.9962, 45.1597, 101.3218

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.0385, 35.9636, 55.1749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9962, 45.1597, 101.3218 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, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(50, 191, 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, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 191, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.9962, 45.1597, 101.3218 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, 191, 255) }
```


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

```
.border{ border-color:rgb(50, 191, 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, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(50, 191,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9962, 45.1597, 101.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 191, 255) }
```

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

```
.background{ background-color: rgb(50, 191,  
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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