

Converting Colors

XYZ(50.1014, 68.2140,
105.1337)

Have a look what the booklet for
XYZ(50.1014, 68.2140, 105.1337)
contains.

XYZ(50.1598, 68.3009, 105.1474)	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(50.1598, 68.3009,
105.1474)**

Conversions

Conversions Part 1

Format	Color
Hex	40ECFF
RGB	64, 236, 255
RGB Percent	25%, 93%, 100%
CMY	0.7490, 0.0745, 0.0000
CMYK	0.75, 0.07, 0.00, 0.00
HSL	186°, 100%, 63%
HSV	186°, 75%, 100%
XYZ	50.1598, 68.3009, 105.1474
YIQ	186.7380, -108.6110, -30.5550

Conversions

Conversions Part 2

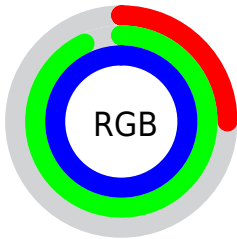
Format	Color
R _{YB}	64, 155, 255
Decimal	4254975
CIE _{Lab}	86.16, -36.27, -21.55
CIE _{LCh}	86, 42.194, 210.719
Y _{xy}	68.3009, 0.2243, 0.3054
Android (android.graphics.Color)	4282445055 (0xFF40ECFF)
Y _{UV}	186.7380, 33.6532, -107.6412
Hunter-Lab	82.6444, -36.2896, -17.5829

Details

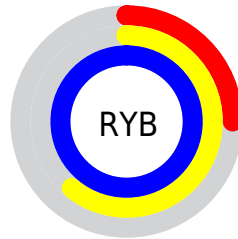
The XYZ color **50.1598, 68.3009, 105.1474** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **45.2599, 27.8185, 7.8367**, and the grayscale version is **46.9499, 49.3950, 53.7911**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **26.5143, 36.7197, 59.1162** is the 20% darker color. If you saturate the color by 10%, you get **48.1397, 66.1845, 104.8454**, and if you desaturate by 10%, it is **52.9513, 70.8332, 105.4891**.

Distribution



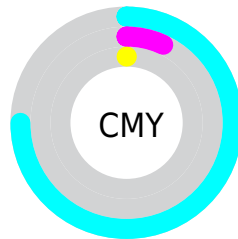
- Red (25%)
- Green (93%)
- Blue (100%)



- Red (25%)
- Yellow (61%)
- Blue (100%)



- Cyan (75%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1598, 68.3009, 105.1474 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 50.1598, 68.3009, 105.1474 by changing the saturation by 10% instead.


 50.1598, 68.3009,
105.1474


 50.1598, 68.3009,
105.1474


377.7322,
454.5614, 597.9597


 35.7587, 50.1426,
79.9655


 89.6020, 116.7825,
170.3264


 24.4171, 35.5267,
59.1640


 115.3738,
147.8746, 211.1606

 15.7698, 24.0689,
42.3242


 145.6666,
184.0466, 258.0494

 9.4512, 15.3847,
29.0278

 180.8457,
225.6832, 311.4112

 5.0961, 9.0898,
18.8561

221.2764,
273.1685, 371.6645

 2.3391, 4.7998,
11.3906

267.3242,

 0.8146, 2.1303,

326.8871, 439.2281

6.2127

319.3543,
387.2232, 514.5203

■ 0.0000, 0.6816,
2.9040

■ 0.0000, 0.0000,
1.0458

■ 50.1598, 68.3009,
105.1474

■ 50.1598, 68.3009,
105.1474

■ 48.1397, 66.1845,
104.8454

■ 52.9513, 70.8332,
105.4891

■ 46.7727, 64.4187,
104.5766

■ 56.6000, 73.8215,
105.8736

■ 46.2456, 63.6113,
104.4485

■ 61.1863, 77.3087,
106.3049

■ 66.7800, 81.3307,
106.7865

■ 73.4439, 85.9202,
107.3211

■ 81.2360, 91.1069,
107.9115

■ 90.2098, 96.9186,
108.5603

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

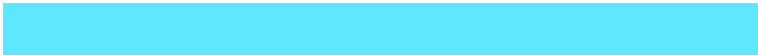
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.9882, 68.3009, 75.0406



50.1598, 68.3009, 105.1474



56.2115, 68.3009, 131.4053

Triad

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



50.1598, 68.3009, 105.1474



82.5940, 68.3009, 103.6911



64.6841, 68.3009, 32.7050

Complementary

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



50.1598, 68.3009, 105.1474



45.2599, 27.8185, 7.8367

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.



74.4800, 68.3009, 36.8126



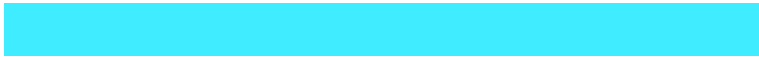
50.1598, 68.3009, 105.1474



85.4237, 68.3009, 73.6995

Square

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



50.1598, 68.3009, 105.1474



74.9253, 68.3009, 130.4277



82.3194, 68.3009, 50.2708



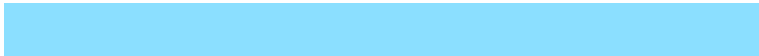
55.8439, 68.3009, 37.2338

Rectangle

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



50.1598, 68.3009, 105.1474



61.9544, 68.3009, 140.5687



82.3194, 68.3009, 50.2708



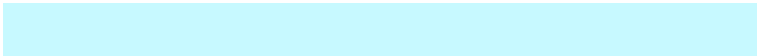
67.9745, 68.3009, 33.1088

Sweetspot

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



50.1617, 68.3033, 105.1478



75.5823, 87.3597, 107.4862



39.3207, 73.1886, 19.6302



15.7486, 18.4098, 22.9734



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.



50.1617, 68.3033, 105.1478



47.3685, 65.2435, 104.7044



30.0768, 28.1335, 98.4528



18.3914, 20.1544, 23.1708



24.2273, 33.3642, 54.5976



2.4017, 3.3342, 5.3302

Inverse Universe

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



58.2150, 30.9847, 82.2718



56.1884, 27.8128, 78.8794



57.5782, 52.4551, 11.9428



18.7102, 18.2674, 22.3570



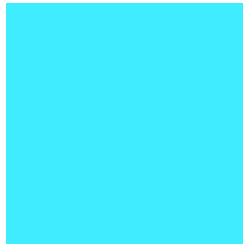
29.0170, 14.0961, 40.3356



2.8469, 1.3811, 4.0411

Previews

White Background



This preview shows how the XYZ color 50.1598, 68.3009, 105.1474 looks on a white background.

Color Contrast Check

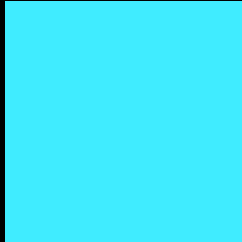
Large Text (above 18pt) WCAG AA × Fail

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 50.1598, 68.3009, 105.1474 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

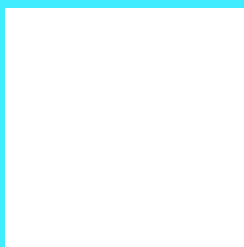
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1598, 68.3009, 105.1474

Background



This preview shows how black text looks on a background with the XYZ color 50.1598, 68.3009, 105.1474.

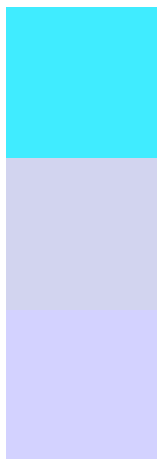


This preview shows how white text looks on a background with the XYZ color 50.1598, 68.3009,

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

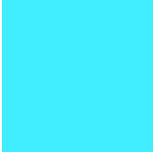
50.1598, 68.3009, 105.1474

Protanopia

65.7018, 67.0206, 91.1348

Deuteranopia

67.9606, 67.1621, 103.9894



Tritanopia

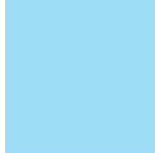
50.2922, 68.3692, 105.1536

Trichromacy



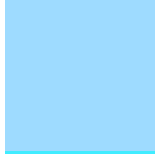
Original Color

50.1598, 68.3009, 105.1474



Protanomaly

56.2425, 65.4736, 96.0596



Deuteranomaly

57.4821, 65.1521, 104.1537



Tritanomaly

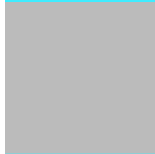
50.2254, 68.3347, 105.1505

Monochromacy



Original Color

50.1598, 68.3009, 105.1474



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.8703, 54.1669, 70.3777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1598, 68.3009, 105.1474 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(64, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 236, 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(64, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.1598, 68.3009, 105.1474 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(64, 236, 255) }
```


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

```
.border{ border-color:rgb(64, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1598, 68.3009, 105.1474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 236, 255) }
```

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

```
.background{ background-color: rgb(64, 236,  
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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