

Converting Colors

XYZ(49.4942, 68.2635,
105.1753)

Have a look what the booklet for
XYZ(49.4942, 68.2635, 105.1753)
contains.

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Color

**XYZ(49.6008, 68.4413,
105.2040)**

Conversions

Conversions Part 1

Format	Color
Hex	31EDFF
RGB	49, 237, 255
RGB Percent	19%, 93%, 100%
CMY	0.8078, 0.0706, 0.0000
CMYK	0.81, 0.07, 0.00, 0.00
HSL	185°, 100%, 60%
HSV	185°, 81%, 100%
XYZ	49.6008, 68.4413, 105.2040
YIQ	182.8400, -117.8260, -34.2580

Conversions

Conversions Part 2

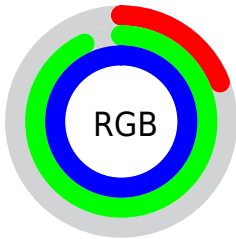
Format	Color
RYB	49, 147, 255
Decimal	3272191
CIELab	86.23, -38.08, -21.47
CIELCh	86, 43.716, 209.412
Yxy	68.4413, 0.2222, 0.3066
Android (android.graphics.Color)	4281462271 (0xFF31EDFF)
YUV	182.8400, 35.5749, -117.3777
Hunter-Lab	82.7293, -37.7555, -17.4866

Details

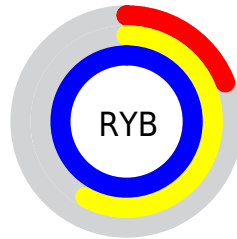
The XYZ color **49.6008, 68.4413, 105.2040** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.8029, 25.4982, 5.5209**, and the grayscale version is **44.7835, 47.1158, 51.3091**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **26.7169, 37.1250, 59.1838** is the 20% darker color. If you saturate the color by 10%, you get **48.0594, 66.6964, 104.9484**, and if you desaturate by 10%, it is **51.8485, 70.5650, 105.4955**.

Distribution



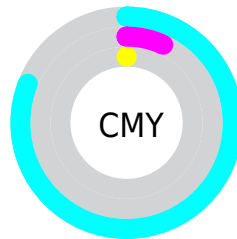
- Red (19%)
- Green (93%)
- Blue (100%)



- Red (19%)
- Yellow (58%)
- Blue (100%)



- Cyan (81%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (81%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6008, 68.4413, 105.2040 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 49.6008, 68.4413, 105.2040 by changing the saturation by 10% instead.


 49.6008, 68.4413,
105.2040


 49.6008, 68.4413,
105.2040


375.5806,
455.0580, 598.1400


 35.3128, 50.2568,
80.0127


 88.7785, 116.9832,
170.4045


 24.0716, 35.6175,
59.2025


 114.3989,
148.1095, 211.2507

 15.5117, 24.1389,
42.3551

 144.5275,
184.3185, 258.1523

 9.2680, 15.4367,
29.0518

 179.5296,
225.9946, 311.5279

 4.9749, 9.1265,
18.8741

219.7706,
273.5222, 371.7959

 2.2671, 4.8238,
11.4034

265.6159,

 0.7778, 2.1442,

327.2857, 439.3749

6.2213

317.4308,
387.6695, 514.6834

■ 0.0000, 0.6893,
2.9092

■ 0.0000, 0.0000,
1.0484

■ 49.6008, 68.4413,
105.2040

■ 49.6008, 68.4413,
105.2040

■ 48.0594, 66.6964,
104.9484

■ 51.8485, 70.5650,
105.4955

■ 47.1098, 65.3396,
104.7366

■ 54.8991, 73.1132,
105.8265

■ 58.8402, 76.1325,
106.2016

■ 63.7461, 79.6611,
106.6241

■ 69.6837, 83.7337,
107.0972

■ 76.7135, 88.3814,
107.6238

■ 84.8916, 93.6332,
108.2065

■ 94.2701, 99.5160,
108.8477

■ 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.



47.5478, 68.4413, 73.9536



49.6008, 68.4413, 105.2040



55.6880, 68.4413, 133.1737

Triad

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



49.6008, 68.4413, 105.2040



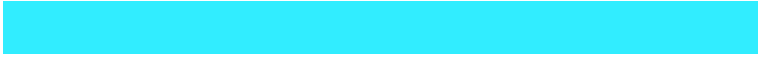
83.1832, 68.4413, 106.4487



65.2502, 68.4413, 31.6882

Complementary

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



49.6008, 68.4413, 105.2040



43.8029, 25.4982, 5.5209

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.



75.4096, 68.4413, 36.2529



49.6008, 68.4413, 105.2040



86.3965, 68.4413, 75.0912

Square

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



49.6008, 68.4413, 105.2040



75.0306, 68.4413, 134.0131



83.4174, 68.4413, 50.4718



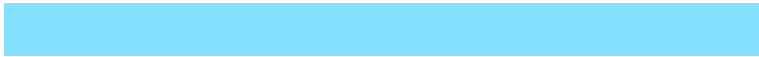
55.9987, 68.4413, 35.9022

Rectangle

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



49.6008, 68.4413, 105.2040



61.5583, 68.4413, 143.3971



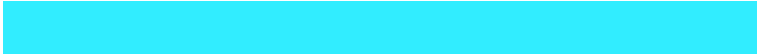
83.4174, 68.4413, 50.4718



68.6742, 68.4413, 32.2234

Sweetspot

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



49.6027, 68.4437, 105.2044



74.3247, 86.8186, 107.4481



38.0164, 72.5690, 17.1864



15.3726, 18.2284, 22.9582



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.



49.6027, 68.4437, 105.2044



47.3948, 65.7675, 104.8042



27.9599, 25.1582, 97.9901



18.4112, 20.1939, 23.1774



24.6721, 34.2539, 54.7459



2.4405, 3.4116, 5.3432

Inverse Universe

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



57.6257, 29.5729, 82.7942



56.0866, 27.3315, 79.7016



56.0153, 49.9230, 9.5917



18.7202, 18.2714, 22.4096



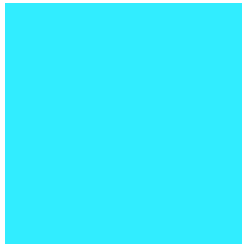
29.2416, 14.1859, 41.5180



2.8664, 1.3890, 4.1441

Previews

White Background



This preview shows how the XYZ color 49.6008, 68.4413, 105.2040 looks on a white background.

Color Contrast Check

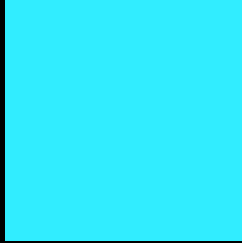
Large Text (above 18pt) WCAG AA × Fail

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 49.6008, 68.4413, 105.2040 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

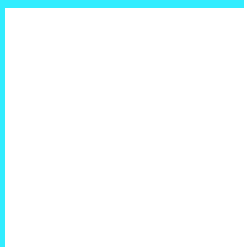
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6008, 68.4413, 105.2040

Background



This preview shows how black text looks on a background with the XYZ color 49.6008, 68.4413, 105.2040.

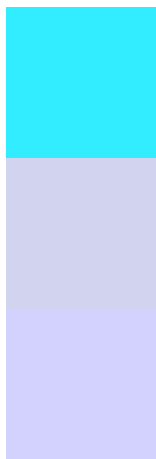


This preview shows how white text looks on a background with the XYZ color 49.6008, 68.4413,

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

49.6008, 68.4413, 105.2040

Protanopia

65.7018, 67.0206, 91.1348

Deuteranopia

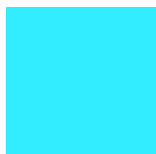
67.9606, 67.1621, 103.9894



Tritanopia

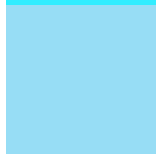
50.0954, 68.2677, 105.1444

Trichromacy



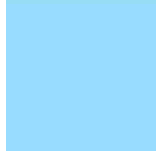
Original Color

49.6008, 68.4413, 105.2040



Protanomaly

55.1004, 64.8848, 96.0061



Deuteranomaly

56.5921, 65.0818, 104.1871



Tritanomaly

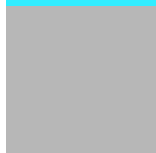
49.7904, 68.1104, 105.1301

Monochromacy



Original Color

49.6008, 68.4413, 105.2040



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.6961, 52.3837, 68.1823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6008, 68.4413, 105.2040 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(49, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(49, 237, 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(49, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.6008, 68.4413, 105.2040 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(49, 237, 255) }
```


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

```
.border{ border-color:rgb(49, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(49, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6008, 68.4413, 105.2040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 237, 255) }
```

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

```
.background{ background-color: rgb(49, 237,  
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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