

Converting Colors

XYZ(51.3647, 67.7891,
109.7228)

Have a look what the booklet for
XYZ(51.3647, 67.7891, 109.7228)
contains.

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Color

**XYZ(50.6147, 67.6853,
105.0046)**

Conversions

Conversions Part 1

Format	Color
Hex	4EEAFF
RGB	78, 234, 255
RGB Percent	31%, 92%, 100%
CMY	0.6941, 0.0823, 0.0000
CMYK	0.69, 0.08, 0.00, 0.00
HSL	187°, 100%, 65%
HSV	187°, 69%, 100%
XYZ	50.6147, 67.6853, 105.0046
YIQ	189.7500, -99.7170, -26.5410

Conversions

Conversions Part 2

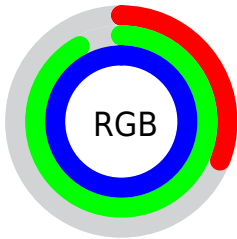
Format	Color
RYB	78, 161, 255
Decimal	5171967
CIELab	85.85, -33.73, -22.00
CIELCh	86, 40.267, 213.109
Yxy	67.6853, 0.2267, 0.3031
Android (android.graphics.Color)	4283362047 (0xFF4EEAFF)
YUV	189.7500, 32.1683, -98.0048
Hunter-Lab	82.2711, -34.1579, -18.0835

Details

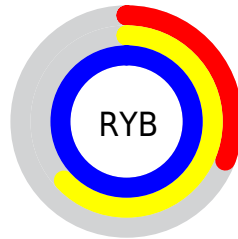
The XYZ color **50.6147, 67.6853, 105.0046** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **47.0782, 30.7355, 10.6612**, and the grayscale version is **48.6644, 51.1988, 55.7554**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **26.1134, 35.9180, 58.9826** is the 20% darker color. If you saturate the color by 10%, you get **48.0625, 65.1033, 104.6408**, and if you desaturate by 10%, it is **53.9948, 70.7188, 105.4120**.

Distribution



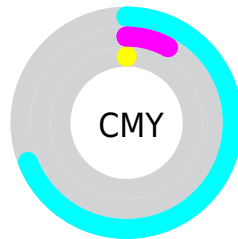
- Red (31%)
- Green (92%)
- Blue (100%)



- Red (31%)
- Yellow (63%)
- Blue (100%)



- Cyan (69%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (69%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6147, 67.6853, 105.0046 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 50.6147, 67.6853, 105.0046 by changing the saturation by 10% instead.


 50.6147, 67.6853,
105.0046


 50.6147, 67.6853,
105.0046


379.4773,
452.3802, 597.5047


 36.1219, 49.6418,
79.8465


 90.2714, 115.9018,
170.1294


 24.6989, 35.1288,
59.0666


 116.1659,
146.8436, 210.9333

 15.9804, 23.7621,
42.2464


 146.5917,
182.8536, 257.7895

 9.6010, 15.1573,
28.9673

 181.9141,
224.3161, 311.1166

 5.1955, 8.9298,
18.8107

222.4986,
271.6157, 371.3331

 2.3983, 4.6954,
11.3581

268.7103,

 0.8443, 2.0697,

325.1366, 438.8576

6.1911

320.9148,
385.2633, 514.1086

■ 0.0000, 0.6475,
2.8910

■ 0.0000, 0.0000,
1.0392

■ 50.6147, 67.6853,
105.0046

■ 50.6147, 67.6853,
105.0046

■ 48.0625, 65.1033,
104.6408

■ 53.9948, 70.7188,
105.4120

■ 46.2328, 62.9141,
104.3147

■ 58.2809, 74.2398,
105.8657

■ 44.9746, 61.0412,
104.0195

■ 63.5482, 78.2887,
106.3696

■ 44.9073, 60.9345,
104.0024

■ 69.8625, 82.8995,
106.9268

■ 77.2838, 88.1032,
107.5401

■ 85.8676, 93.9286,
108.2121

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.



48.2259, 67.6853, 76.4817



50.6147, 67.6853, 105.0046



56.6536, 67.6853, 128.7921

Triad

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



50.6147, 67.6853, 105.0046



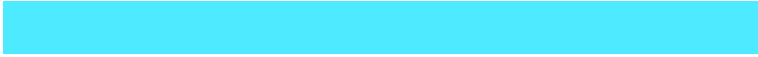
81.4479, 67.6853, 99.0891



63.3775, 67.6853, 33.7805

Complementary

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



50.6147, 67.6853, 105.0046



47.0782, 30.7355, 10.6612

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.



72.6764, 67.6853, 37.0982



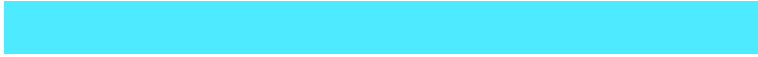
50.6147, 67.6853, 105.0046



83.6777, 67.6853, 70.9823

Square

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



50.6147, 67.6853, 105.0046



74.4951, 67.6853, 124.8439



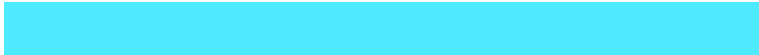
80.3295, 67.6853, 49.3285



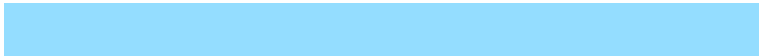
55.1395, 67.6853, 38.8655

Rectangle

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



50.6147, 67.6853, 105.0046



62.2321, 67.6853, 136.3580



80.3295, 67.6853, 49.3285



66.4803, 67.6853, 33.9541

Sweetspot

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



50.6166, 67.6877, 105.0050



76.0253, 87.2334, 107.4385



41.1388, 74.0346, 23.8413



15.8204, 18.3567, 22.9593



0.0000, 0.0000, 0.0000



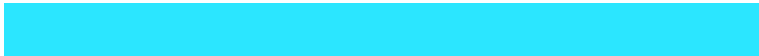
20.3446, 21.4041, 23.3091

Same Dimension

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



50.6166, 67.6877, 105.0050



47.3276, 64.2743, 104.5195



31.4497, 29.3540, 98.6160



18.3601, 20.0918, 23.1604



23.5380, 31.9856, 54.3678



2.3416, 3.2138, 5.3102

Inverse Universe

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



58.8170, 32.6511, 81.0467



56.3843, 28.7204, 77.3547



60.4187, 57.4165, 15.1080



18.6944, 18.2611, 22.2738



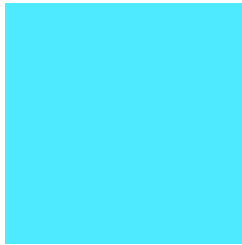
28.6691, 13.9569, 38.5035



2.8165, 1.3690, 3.8812

Previews

White Background



This preview shows how the XYZ color 50.6147, 67.6853, 105.0046 looks on a white background.

Color Contrast Check

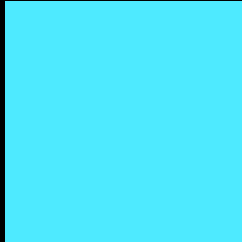
Large Text (above 18pt) WCAG AA × Fail

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 50.6147, 67.6853, 105.0046 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

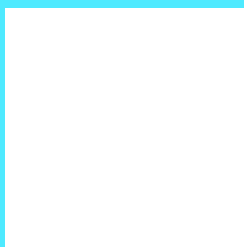
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.6147, 67.6853, 105.0046

Background



This preview shows how black text looks on a background with the XYZ color 50.6147, 67.6853, 105.0046.

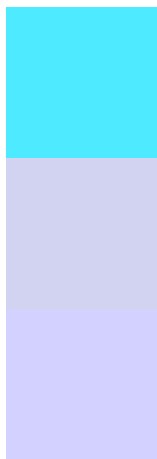


This preview shows how white text looks on a background with the XYZ color 50.6147, 67.6853,

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

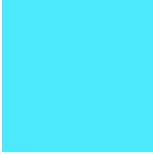
50.6147, 67.6853, 105.0046

Protanopia

65.3169, 66.4351, 91.8188

Deuteranopia

67.4288, 66.5226, 103.8940



Tritanopia

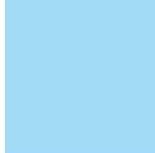
50.2130, 67.5153, 103.3138

Trichromacy



Original Color

50.6147, 67.6853, 105.0046



Protanomaly

56.5109, 64.8327, 95.9217



Deuteranomaly

58.0217, 65.0442, 104.1045



Tritanomaly

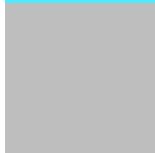
50.3728, 67.5792, 104.1551

Monochromacy



Original Color

50.6147, 67.6853, 105.0046



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.6033, 55.3872, 71.8529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6147, 67.6853, 105.0046 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(78, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(78, 234, 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(78, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.6147, 67.6853, 105.0046 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(78, 234, 255) }
```


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

```
.border{ border-color:rgb(78, 234, 255) }
```

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

Here you see how a box with a 4 pixel rgb(78, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(78, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6147, 67.6853, 105.0046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 234, 255) }
```

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

```
.background{ background-color: rgb(78, 234,  
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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