

Converting Colors

XYZ(50.2092, 69.5118,
105.3786)

Have a look what the booklet for
XYZ(50.2092, 69.5118, 105.3786)
contains.

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Color

**XYZ(50.2817, 69.6568,
105.4027)**

Conversions

Conversions Part 1

Format	Color
Hex	33EFFF
RGB	51, 239, 255
RGB Percent	20%, 94%, 100%
CMY	0.7999, 0.0627, 0.0000
CMYK	0.80, 0.06, 0.00, 0.00
HSL	185°, 100%, 60%
HSV	185°, 80%, 100%
XYZ	50.2817, 69.6568, 105.4027
YIQ	184.6120, -117.1840, -34.8800

Conversions

Conversions Part 2

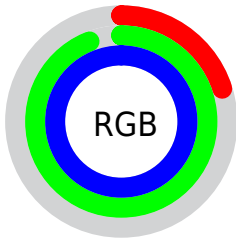
Format	Color
R _Y B	51, 149, 255
Decimal	3403775
CIE Lab	86.83, -38.84, -20.56
CIE LCh	87, 43.945, 207.889
Yxy	69.6568, 0.2231, 0.3091
Android (android.graphics.Color)	4281593855 (0xFF33EFFF)
YUV	184.6120, 34.7013, -117.1777
Hunter-Lab	83.4606, -38.5170, -16.4551

Details

The XYZ color **50.2817, 69.6568, 105.4027** 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 **43.8459, 25.5152, 5.7480**, and the grayscale version is **45.7625, 48.1457, 52.4307**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **26.9210, 37.5331, 59.2518** is the 20% darker color. If you saturate the color by 10%, you get **48.7490, 68.0038, 105.1644**, and if you desaturate by 10%, it is **52.5280, 71.6903, 105.6768**.

Distribution



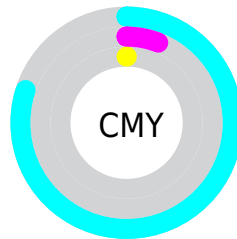
- Red (20%)
- Green (94%)
- Blue (100%)



- Red (20%)
- Yellow (58%)
- Blue (100%)



- Cyan (80%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2817, 69.6568, 105.4027 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 50.2817, 69.6568, 105.4027 by changing the saturation by 10% instead.

50.2817, 69.6568,
105.4027

50.2817, 69.6568,
105.4027

378.2003,
459.3440, 598.7728

35.8560, 51.2468,
80.1782

89.7814, 118.7192,
170.6785

24.4926, 36.4051,
59.3380

115.5862,
150.1404, 211.5669

15.8261, 24.7472,
42.4635

145.9147,
186.6674, 258.5138

9.4913, 15.8888,
29.1361

181.1322,
228.6847, 311.9375

5.1226, 9.4455,
18.9373

221.6042,
276.5766, 372.2568

2.3549, 5.0329,
11.4487

267.6960,

0.8225, 2.2666,

330.7275, 439.8900

6.2515

319.7729,
391.5219, 515.2559

■ 0.0000, 0.7559,
2.9274

■ 0.0000, 0.0000,
1.0577

■ 50.2817, 69.6568,
105.4027

■ 50.2817, 69.6568,
105.4027

■ 48.7490, 68.0038,
105.1644

■ 52.5280, 71.6903,
105.6768

■ 47.7597, 66.6390,
104.9532

■ 55.5830, 74.1487,
105.9903

■ 47.7590, 66.6381,
104.9530

■ 59.5329, 77.0783,
106.3476

■ 64.4517, 80.5170,
106.7521

■ 70.4055, 84.4990,
107.2069

■ 77.4545, 89.0554,
107.7149

■ 85.6544, 94.2149,
108.2786

■ 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.



48.4126, 69.6568, 73.7858



50.2817, 69.6568, 105.4027



56.2807, 69.6568, 134.3473

Triad

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



50.2817, 69.6568, 105.4027



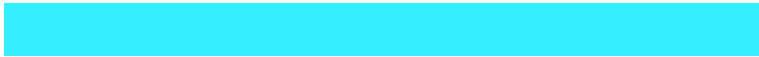
84.3271, 69.6568, 109.9477



66.9348, 69.6568, 32.2916

Complementary

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



50.2817, 69.6568, 105.4027



43.8459, 25.5152, 5.7480

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.



77.2361, 69.6568, 37.4009



50.2817, 69.6568, 105.4027



87.9006, 69.6568, 77.9410

Square

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



50.2817, 69.6568, 105.4027



75.8521, 69.6568, 137.4118



85.1824, 69.6568, 52.4037



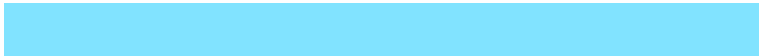
57.4157, 69.6568, 36.1191

Rectangle

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



50.2817, 69.6568, 105.4027



62.1603, 69.6568, 145.4325



85.1824, 69.6568, 52.4037



70.4250, 69.6568, 32.9852

Sweetspot

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



50.2836, 69.6593, 105.4031



74.4948, 87.1588, 107.5048



38.0692, 72.6015, 16.9500



15.4143, 18.3117, 22.9720



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.



50.2836, 69.6593, 105.4031



48.1163, 67.1630, 105.0355



28.7083, 26.5085, 98.2113



18.4258, 20.2232, 23.1823



25.0063, 34.9221, 54.8573



2.4695, 3.4697, 5.3528

Inverse Universe

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



58.0051, 29.8614, 84.3706



56.4623, 27.5261, 81.5436



55.5849, 48.9931, 9.6610



18.7276, 18.2743, 22.4485



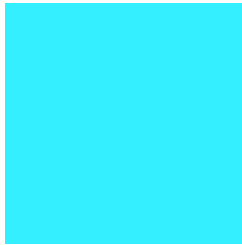
29.4102, 14.2534, 42.4062



2.8811, 1.3948, 4.2212

Previews

White Background



This preview shows how the XYZ color 50.2817, 69.6568, 105.4027 looks on a white background.

Color Contrast Check

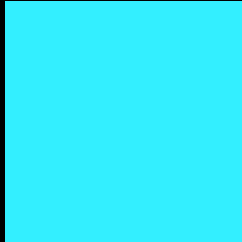
Large Text (above 18pt) WCAG AA × Fail

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 50.2817, 69.6568, 105.4027 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 50.2817, 69.6568, 105.4027

Background



This preview shows how black text looks on a background with the XYZ color 50.2817, 69.6568, 105.4027.

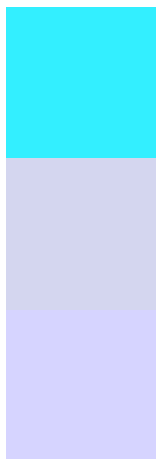


This preview shows how white text looks on a background with the XYZ color 50.2817, 69.6568,

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

50.2817, 69.6568, 105.4027

Protanopia

66.7779, 68.3222, 91.3293

Deuteranopia

69.3250, 68.6031, 104.1956



Tritanopia

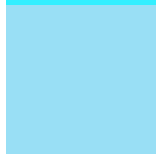
51.8139, 69.5822, 105.3076

Trichromacy



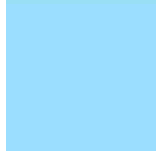
Original Color

50.2817, 69.6568, 105.4027



Protanomaly

56.0060, 66.1402, 96.2007



Deuteranomaly

57.6888, 66.4311, 104.3897



Tritanomaly

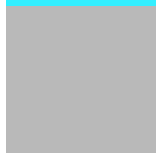
51.2231, 69.7087, 105.3631

Monochromacy



Original Color

50.2817, 69.6568, 105.4027



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.6175, 53.5500, 69.0101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2817, 69.6568, 105.4027 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(51, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 239, 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(51, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 239, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.2817, 69.6568, 105.4027 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(51, 239, 255) }
```


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

```
.border{ border-color:rgb(51, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 239,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2817, 69.6568, 105.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 239, 255) }
```

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

```
.background{ background-color: rgb(51, 239,  
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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