

Converting Colors

XYZ(50.8100, 69.2736,
104.4961)

Have a look what the booklet for
XYZ(50.8100, 69.2736, 104.4961)
contains.

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Color

**XYZ(50.6994, 69.0262,
104.4172)**

Conversions

Conversions Part 1

Format	Color
Hex	46EDFE
RGB	70, 237, 254
RGB Percent	27%, 93%, 100%
CMY	0.7254, 0.0706, 0.0039
CMYK	0.72, 0.07, 0.00, 0.00
HSL	186°, 99%, 64%
HSV	186°, 72%, 100%
XYZ	50.6994, 69.0262, 104.4172
YIQ	189.0050, -104.9890, -30.1170

Conversions

Conversions Part 2

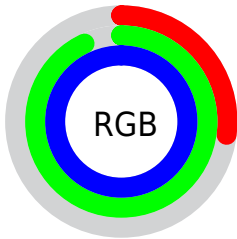
Format	Color
RYB	70, 158, 254
Decimal	4648446
CIELab	86.52, -36.38, -20.47
CIELCh	87, 41.748, 209.368
Yxy	69.0262, 0.2262, 0.3080
Android (android.graphics.Color)	4282838526 (0xFF46EDFE)
YUV	189.0050, 32.0425, -104.3674
Hunter-Lab	83.0820, -36.4669, -16.3581

Details

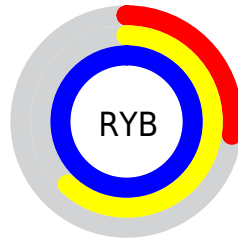
The XYZ color **50.6994, 69.0262, 104.4172** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **45.3887, 28.3318, 8.8729**, and the grayscale version is **48.2413, 50.7536, 55.2707**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **26.6019, 37.0790, 58.5782** is the 20% darker color. If you saturate the color by 10%, you get **48.5650, 66.9253, 104.1255**, and if you desaturate by 10%, it is **53.6211, 71.5491, 104.7515**.

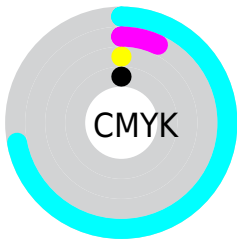
Distribution



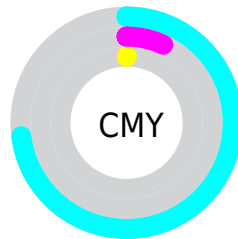
- Red (27%)
- Green (93%)
- Blue (100%)



- Red (27%)
- Yellow (62%)
- Blue (100%)



- Cyan (72%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (73%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6994, 69.0262, 104.4172 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 50.6994, 69.0262, 104.4172 by changing the saturation by 10% instead.

50.6994, 69.0262,
104.4172

50.6994, 69.0262,
104.4172

379.8017,
457.1234, 595.6309

36.1895, 50.7330,
79.3573

90.3959, 117.8190,
169.3189

24.7514, 35.9962,
58.6665

116.3133,
149.0874, 209.9978

16.0197, 24.4313,
41.9265

146.7638,
185.4497, 256.7200

9.6290, 15.6538,
28.7186

182.1128,
227.2903, 309.9042

5.2140, 9.2795,
18.6243

222.7258,
274.9936, 369.9688

2.4094, 4.9240,
11.2251

268.9680,

0.8498, 2.2027,

328.9439, 437.3324

6.1024

321.2049,
389.5257, 512.4136

■ 0.0000, 0.7215,
2.8376

■ 0.0000, 0.0000,
1.0123

■ 50.6994, 69.0262,
104.4172

■ 50.6994, 69.0262,
104.4172

■ 48.5650, 66.9253,
104.1255

■ 53.6211, 71.5491,
104.7515

■ 47.1063, 65.1844,
103.8663

■ 57.4107, 74.5312,
105.1273

■ 46.3356, 64.0477,
103.6875

■ 62.1455, 78.0139,
105.5500

■ 67.8929, 82.0320,
106.0227

■ 74.7137, 86.6168,
106.5481

■ 82.6642, 91.7974,
107.1290

■ 91.7965, 97.6008,
107.7679

■ 94.8896, 99.9359,
108.0556

Harmonies

Analogous

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



48.7145, 69.0262, 74.5718



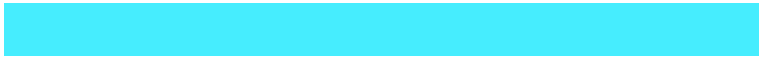
50.6994, 69.0262, 104.4172



56.5813, 69.0262, 130.9259

Triad

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



50.6994, 69.0262, 104.4172



82.9438, 69.0262, 105.6895



65.8127, 69.0262, 33.4924

Complementary

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



50.6994, 69.0262, 104.4172



45.3887, 28.3318, 8.8729

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.



75.5455, 69.0262, 38.0158



50.6994, 69.0262, 104.4172



86.0135, 69.0262, 75.7469

Square

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



50.6994, 69.0262, 104.4172



75.1558, 69.0262, 131.7784



83.1839, 69.0262, 51.9489



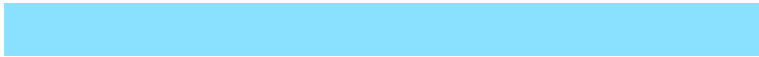
56.9039, 69.0262, 37.6440

Rectangle

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



50.6994, 69.0262, 104.4172



62.2359, 69.0262, 140.5898



83.1839, 69.0262, 51.9489



69.0984, 69.0262, 34.0268

Sweetspot

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



50.7016, 69.0287, 104.4189



75.7054, 87.6060, 107.5273



39.6225, 72.8486, 20.6394



15.7781, 18.4688, 22.9832



0.0000, 0.0000, 0.0000



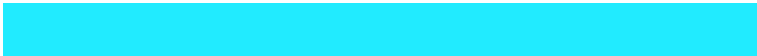
20.3446, 21.4041, 23.3091

Same Dimension

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



50.7016, 69.0287, 104.4189



48.2485, 66.6787, 104.9351



30.7997, 29.2250, 97.7849



18.4029, 20.1775, 23.1747



24.4867, 33.8830, 54.6841



2.4243, 3.3794, 5.3378

Inverse Universe

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



58.3512, 31.5678, 83.1410



56.7118, 28.3256, 80.7002



57.7689, 53.0922, 12.9997



18.7160, 18.2697, 22.3878



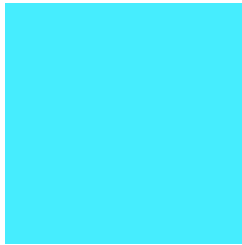
29.1480, 14.1485, 41.0251



2.8583, 1.3857, 4.1012

Previews

White Background



This preview shows how the XYZ color 50.6994, 69.0262, 104.4172 looks on a white background.

Color Contrast Check

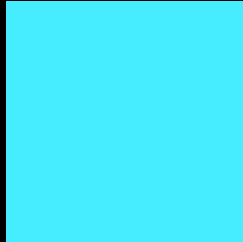
Large Text (above 18pt) WCAG AA × Fail

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 50.6994, 69.0262, 104.4172 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 50.6994, 69.0262, 104.4172

Background



This preview shows how black text looks on a background with the XYZ color 50.6994, 69.0262, 104.4172.

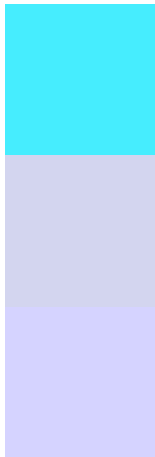


This preview shows how white text looks on a background with the XYZ color 50.6994, 69.0262,

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

50.6994, 69.0262, 104.4172

Protanopia

66.2382, 67.6694, 91.2317

Deuteranopia

68.7848, 67.9547, 104.0990



Tritanopia

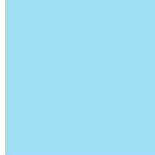
51.2699, 68.8732, 105.1994

Trichromacy



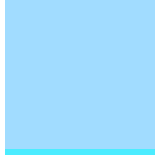
Original Color

50.6994, 69.0262, 104.4172



Protanomaly

56.9476, 66.2478, 95.3736



Deuteranomaly

58.3411, 65.9835, 104.2689



Tritanomaly

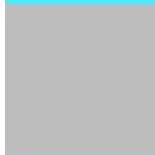
51.0259, 68.7474, 105.1880

Monochromacy



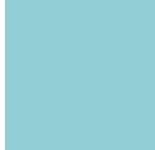
Original Color

50.6994, 69.0262, 104.4172



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.9356, 55.0577, 71.1569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6994, 69.0262, 104.4172 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(70, 237, 254)` looks like.

```
.text, #text, p{  
    color:rgb(70, 237, 254)  
}
```

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(70, 237, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 237, 254) }
```

Border

The CSS property to change the border of an element to XYZ 50.6994, 69.0262, 104.4172 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(70, 237, 254) }
```


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

```
.border{ border-color:rgb(70, 237, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 237, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 237, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 237, 254);  
box-shadow:4px 4px 4px 4px rgb(70, 237,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6994, 69.0262, 104.4172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 237, 254) }
```

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

```
.background{ background-color: rgb(70, 237,  
254) }
```

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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