

Converting Colors

XYZ(66.4990, 76.3034,
194.7924)

Have a look what the booklet for
XYZ(66.4990, 76.3034, 194.7924)
contains.

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Color

**XYZ(49.6621, 69.7732,
105.4578)**

Conversions

Conversions Part 1

Format	Color
Hex	1BF0FF
RGB	27, 240, 255
RGB Percent	11%, 94%, 100%
CMY	0.8940, 0.0588, 0.0000
CMYK	0.89, 0.06, 0.00, 0.00
HSL	184°, 100%, 55%
HSV	184°, 89%, 100%
XYZ	49.6621, 69.7732, 105.4578
YIQ	178.0230, -131.7630, -40.4910

Conversions

Conversions Part 2

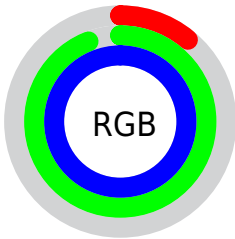
Format	Color
R _Y B	27, 137, 255
Decimal	1831167
CIE Lab	86.89, -40.76, -20.49
CIE LCh	87, 45.618, 206.693
Yxy	69.7732, 0.2208, 0.3103
Android (android.graphics.Color)	4280021247 (0xFF1BF0FF)
YUV	178.0230, 37.9497, -132.4472
Hunter-Lab	83.5304, -40.0528, -16.3829

Details

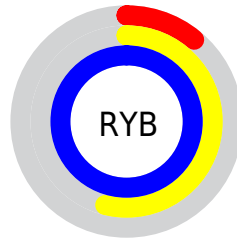
The XYZ color **49.6621, 69.7732, 105.4578** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **42.2674, 22.9976, 3.2504**, and the grayscale version is **42.1912, 44.3884, 48.3390**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **27.1265, 37.9442, 59.3203** is the 20% darker color. If you saturate the color by 10%, you get **48.7387, 68.5689, 105.2741**, and if you desaturate by 10%, it is **51.1512, 71.2788, 105.6700**.

Distribution



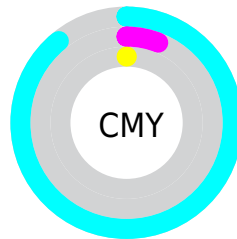
- Red (11%)
- Green (94%)
- Blue (100%)



- Red (11%)
- Yellow (54%)
- Blue (100%)



- Cyan (89%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (89%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6621, 69.7732, 105.4578 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 49.6621, 69.7732, 105.4578 by changing the saturation by 10% instead.

49.6621, 69.7732,
105.4578

49.6621, 69.7732,
105.4578

375.8169,
459.7533, 598.9482

35.3617, 51.3417,
80.2241

88.8688, 118.8853,
170.7545

24.1094, 36.4806,
59.3756

114.5059,
150.3346, 211.6546

15.5400, 24.8056,
42.4935

144.6525,
186.8919, 258.6140

9.2880, 15.9323,
29.1595

179.6741,
228.9417, 312.0511

4.9881, 9.4762,
18.9549

219.9360,
276.8684, 372.3846

2.2750, 5.0531,
11.4612

265.8035,

0.7818, 2.2785,

331.0563, 440.0329

6.2599

317.6420,
391.8898, 515.4146

■ 0.0000, 0.7623,
2.9324

■ 0.0000, 0.0000,
1.0602

■ 49.6621, 69.7732,
105.4578

■ 49.6621, 69.7732,
105.4578

■ 48.7387, 68.5689,
105.2741

■ 51.1512, 71.2788,
105.6700

■ 48.6900, 68.5000,
105.2633

■ 53.3529, 73.1572,
105.9165

■ 56.3686, 75.4620,
106.2024

■ 60.2821, 78.2364,
106.5317

■ 65.1666, 81.5183,
106.9077

■ 71.0879, 85.3415,
107.3336

■ 78.1059, 89.7370,
107.8121

■ 86.2761, 94.7334,
108.3459

■ 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.



47.9126, 69.7732, 72.6398



49.6621, 69.7732, 105.4578



55.7022, 69.7732, 136.2357

Triad

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



49.6621, 69.7732, 105.4578



84.9333, 69.7732, 112.9148



67.5050, 69.7732, 31.1949

Complementary

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



49.6621, 69.7732, 105.4578



42.2674, 22.9976, 3.2504

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.



78.2021, 69.7732, 36.7614



49.6621, 69.7732, 105.4578



88.9183, 69.7732, 79.4029

Square

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



49.6621, 69.7732, 105.4578



75.9417, 69.7732, 141.2878



86.3333, 69.7732, 52.5673



57.5425, 69.7732, 34.7164

Rectangle

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



49.6621, 69.7732, 105.4578



61.7175, 69.7732, 148.4725



86.3333, 69.7732, 52.5673



71.1403, 69.7732, 32.0175

Sweetspot

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



49.6640, 69.7757, 105.4582



72.6682, 86.3420, 107.4434



36.5699, 71.8963, 13.8207



15.0763, 18.1779, 22.9640



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.



49.6640, 69.7757, 105.4582



48.6900, 68.5000, 105.2633



26.4352, 23.3180, 97.7153



18.4465, 20.2647, 23.1892



25.4853, 35.8801, 55.0169



2.5110, 3.5527, 5.3667

Inverse Universe

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



57.3615, 28.3370, 84.8870



56.7057, 27.4463, 83.3710



52.7342, 43.9313, 6.7393



18.7380, 18.2785, 22.5036



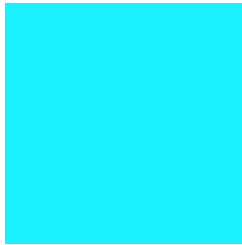
29.6520, 14.3501, 43.6793



2.9021, 1.4032, 4.3316

Previews

White Background



This preview shows how the XYZ color 49.6621, 69.7732, 105.4578 looks on a white background.

Color Contrast Check

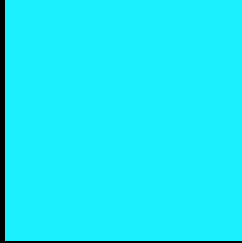
Large Text (above 18pt) WCAG AA × Fail

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 49.6621, 69.7732, 105.4578 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 49.6621, 69.7732, 105.4578

Background



This preview shows how black text looks on a background with the XYZ color 49.6621, 69.7732, 105.4578.

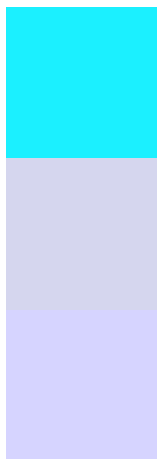


This preview shows how white text looks on a background with the XYZ color 49.6621, 69.7732,

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

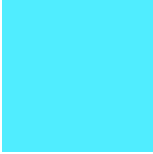
49.6621, 69.7732, 105.4578

Protanopia

66.9198, 68.4123, 90.5668

Deuteranopia

69.3250, 68.6031, 104.1956



Tritanopia

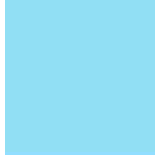
51.6425, 69.4938, 105.2996

Trichromacy



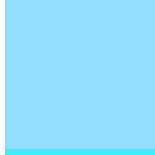
Original Color

49.6621, 69.7732, 105.4578



Protanomaly

54.3939, 65.3267, 95.3304



Deuteranomaly

56.0253, 65.5735, 104.3119



Tritanomaly

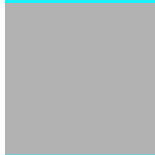
50.5490, 69.3612, 105.3316

Monochromacy



Original Color

49.6621, 69.7732, 105.4578



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

40.1956, 50.4405, 66.0100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6621, 69.7732, 105.4578 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(27, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(27, 240, 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(27, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.6621, 69.7732, 105.4578 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(27, 240, 255) }
```


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

```
.border{ border-color:rgb(27, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(27, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6621, 69.7732, 105.4578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 240, 255) }
```

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

```
.background{ background-color: rgb(27, 240,  
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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