

Converting Colors

XYZ(59.9950, 30.6566, 94.8514)

Have a look what the booklet for
XYZ(59.9950, 30.6566, 94.8514)
contains.

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Color

**XYZ(59.9945, 30.6559,
94.8506)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33FC
RGB	255, 51, 252
RGB Percent	100%, 20%, 99%
CMY	0.0000, 0.8000, 0.0118
CMYK	0.00, 0.80, 0.01, 0.00
HSL	301°, 100%, 60%
HSV	301°, 80%, 100%
XYZ	59.9945, 30.6559, 94.8506
YIQ	134.9100, 57.0630, 105.7590

Conversions

Conversions Part 2

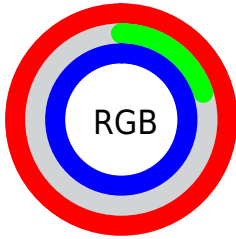
Format	Color
R _Y B	255, 51, 252
Decimal	16724988
CIE Lab	62.22, 91.77, -56.15
CIE LCh	62, 107.585, 328.536
Yxy	30.6559, 0.3234, 0.1653
Android (android.graphics.Color)	4294915068 (0xFFFF33FC)
YUV	134.9100, 57.7254, 105.3189
Hunter-Lab	55.3678, 96.5225, -62.8123

Details

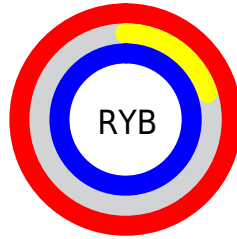
The XYZ color **59.9945, 30.6559, 94.8506** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **37.7920, 72.4906, 15.4917**, and the grayscale version is **22.7764, 23.9626, 26.0952**.

A 20% lighter version of the original color is **66.3730, 42.6459, 99.3410**, and **32.0985, 15.4095, 52.9123** is the 20% darker color. If you saturate the color by 10%, you get **59.1101, 28.9819, 94.2633**, and if you desaturate by 10%, it is **61.4901, 33.5518, 95.6430**.

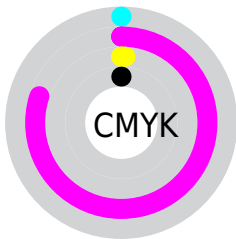
Distribution



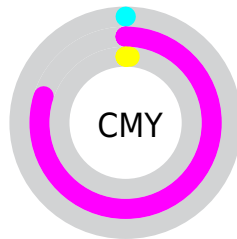
- Red (100%)
- Green (20%)
- Blue (99%)



- Red (100%)
- Yellow (20%)
- Blue (99%)



- Cyan (0%)
- Magenta (80%)
- Yellow (1%)
- Black (0%)




- Cyan (0%)
- Magenta (80%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9945, 30.6559, 94.8506 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 59.9945, 30.6559, 94.8506 by changing the saturation by 10% instead.

 59.9945, 30.6559,
94.8506


 59.9945, 30.6559,
94.8506

414.4126,
304.9499, 564.6587


 43.6636, 20.3370,
71.4144

 103.9281, 60.6979,
156.0520


 30.6029, 12.6402,
52.1966


 132.2615, 81.1898,
194.6543


 20.4470, 7.1813,
36.7785


 165.3265,
105.8414, 239.1491

 12.8306, 3.5757,
24.7416

 203.4885,
135.0372, 289.9548

 7.3882, 1.4392,
15.6674

 247.1127,
169.1616, 347.4901

 3.7545, 0.2453,
9.1373

296.5645,

 1.5642, 0.0000,

208.5989, 412.1735

4.7328

352.2094,
253.7335, 484.4235

■ 0.3689, 0.0000,
2.0354

■ 0.0000, 0.0000,
0.5769

■ 59.9945, 30.6559,
94.8506

■ 59.9945, 30.6559,
94.8506

■ 59.1101, 28.9819,
94.2633

■ 61.4901, 33.5518,
95.6430

■ 58.6923, 28.2411,
93.8317

■ 63.6824, 37.8411,
96.6678

■ 58.6921, 28.2408,
93.8315

■ 66.6453, 43.6712,
97.9501

■ 70.4427, 51.1702,
99.5111

■ 75.1319, 60.4528,
101.3699

■ 80.7653, 71.6233,
103.5441

■ 87.3910, 84.7784,
106.0496

■ 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.



44.5977, 30.6559, 164.2409



59.9945, 30.6559, 94.8506



66.8643, 30.6559, 35.4617

Triad

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



59.9945, 30.6559, 94.8506



29.8559, 30.6559, 0.0000



10.8599, 30.6559, 87.9345

Complementary

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



59.9945, 30.6559, 94.8506



37.7920, 72.4906, 15.4917

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.



9.2019, 30.6559, 31.3796



59.9945, 30.6559, 94.8506



17.7402, 30.6559, 0.8917

Square

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



59.9945, 30.6559, 94.8506



46.2570, 30.6559, 1.0888



11.2331, 30.6559, 6.6344



16.8682, 30.6559, 158.4076

Rectangle

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



59.9945, 30.6559, 94.8506



64.3936, 30.6559, 13.8790



11.2331, 30.6559, 6.6344



9.8850, 30.6559, 65.7611

Sweetspot

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



59.9951, 30.6570, 94.8512



78.3927, 66.9168, 102.6345



20.6002, 10.2928, 95.5087



16.3556, 13.4829, 21.8042



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.



59.9951, 30.6570, 94.8512



58.8265, 28.4717, 93.9932



48.1746, 25.9288, 32.6053



18.7805, 18.2955, 22.7272



30.6732, 14.7586, 49.0568



2.9901, 1.4384, 4.7953

Inverse Universe

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



59.9951, 30.6570, 94.8512



58.8265, 28.4717, 93.9932



42.8761, 74.5242, 42.2644



18.7805, 18.2955, 22.7272



30.6732, 14.7586, 49.0568



2.9901, 1.4384, 4.7953

Previews

White Background



This preview shows how the XYZ color 59.9945, 30.6559, 94.8506 looks on a white background.

Color Contrast Check

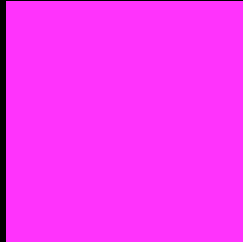
Large Text (above 18pt) WCAG AA × Fail

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 59.9945, 30.6559, 94.8506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

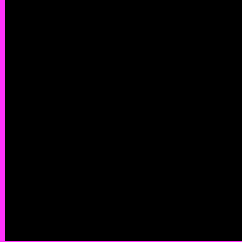
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.9945, 30.6559, 94.8506

Background



This preview shows how black text looks on a background with the XYZ color 59.9945, 30.6559, 94.8506.



This preview shows how white text looks on a background with the XYZ color 59.9945, 30.6559,

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

59.9945, 30.6559, 94.8506

Protanopia

33.9632, 30.9122, 98.7843

Deuteranopia

31.8185, 30.8105, 85.1589



Tritanopia

44.2874, 30.2785, 19.7298

Trichromacy



Original Color

59.9945, 30.6559, 94.8506



Protanomaly

37.7841, 26.0132, 96.7955



Deuteranomaly

36.2955, 25.7748, 87.8561



Tritanomaly

47.8559, 28.9455, 38.6621

Monochromacy



Original Color

59.9945, 30.6559, 94.8506



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

31.5766, 22.6987, 44.8365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9945, 30.6559, 94.8506 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(255, 51, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 252)  
}
```

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(255, 51, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 252) }
```

Border

The CSS property to change the border of an element to XYZ 59.9945, 30.6559, 94.8506 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(255, 51, 252) }
```


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

```
.border{ border-color:rgb(255, 51, 252) }
```

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

Here you see how a box with a 4 pixel rgb(255, 51, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9945, 30.6559, 94.8506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 252) }
```

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

```
.background{ background-color: rgb(255, 51,  
252) }
```

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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