

Converting Colors

XYZ(59.6515, 31.1750, 91.0210)

Have a look what the booklet for
XYZ(59.6515, 31.1750, 91.0210)
contains.

XYZ(59.6444, 31.2071, 90.8757)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.6444, 31.2071,
90.8757)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3CF7
RGB	255, 60, 247
RGB Percent	100%, 24%, 97%
CMY	0.0000, 0.7647, 0.0314
CMYK	0.00, 0.76, 0.03, 0.00
HSL	302°, 100%, 62%
HSV	302°, 76%, 100%
XYZ	59.6444, 31.2071, 90.8757
YIQ	139.6230, 56.1930, 99.4970

Conversions

Conversions Part 2

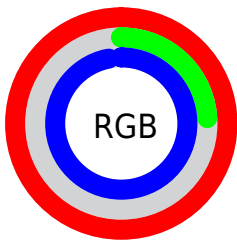
Format	Color
R _Y B	255, 60, 247
Decimal	16727287
CIE Lab	62.68, 88.92, -52.65
CIE LCh	63, 103.338, 329.373
Yxy	31.2071, 0.3282, 0.1717
Android (android.graphics.Color)	4294917367 (0xFFFF3CF7)
YUV	139.6230, 52.9369, 101.1856
Hunter-Lab	55.8633, 92.8209, -57.3457

Details

The XYZ color **59.6444, 31.2071, 90.8757** 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 **38.6678, 72.8985, 17.5032**, and the grayscale version is **24.5696, 25.8492, 28.1498**.

A 20% lighter version of the original color is **67.0092, 43.9183, 99.5531**, and **31.5424, 15.1870, 49.9841** is the 20% darker color. If you saturate the color by 10%, you get **58.4543, 29.0845, 89.6851**, and if you desaturate by 10%, it is **61.4794, 34.6179, 92.2865**.

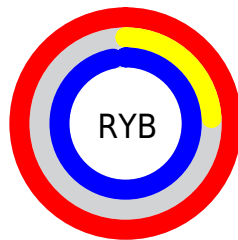
Distribution



Red (100%)

Green (24%)

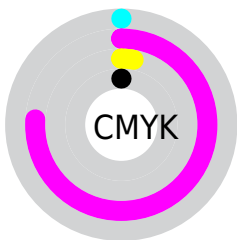
Blue (97%)



Red (100%)

Yellow (24%)

Blue (97%)

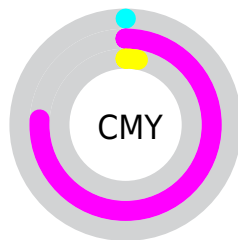


Cyan (0%)

Magenta (76%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (76%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.6444, 31.2071, 90.8757 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 59.6444, 31.2071, 90.8757 by changing the saturation by 10% instead.


 59.6444, 31.2071,
90.8757

 59.6444, 31.2071,
90.8757

413.1416,
307.4913, 551.5188


 43.3804, 20.7566,
68.1294

 103.4229, 61.5660,
150.5003

 30.3795, 12.9462,
49.5356


 131.6682, 82.2432,
188.2157


 20.2764, 7.3915,
34.6760

 164.6380,
107.0980, 231.7578

 12.7055, 3.7081,
23.1318

 202.6976,
136.5149, 281.5452

 7.3017, 1.5117,
14.4847

 246.2124,
170.8783, 337.9965

 3.6995, 0.2969,
8.3159

295.5478,

 1.5336, 0.0000,

210.5726, 401.5302

4.2071

351.0690,
255.9821, 472.5648

■ 0.3485, 0.0000,
1.7396

■ 0.0000, 0.0000,
0.3877

■ 59.6444, 31.2071,
90.8757

■ 59.6444, 31.2071,
90.8757

■ 58.4543, 29.0845,
89.6851

■ 61.4794, 34.6179,
92.2865

■ 57.8052, 28.0426,
88.6789

■ 64.0390, 39.4765,
93.9430

■ 57.6511, 27.8244,
88.3495

■ 67.3934, 45.9233,
95.8688

■ 71.6040, 54.0811,
98.0846

76.7262, 64.0606,
100.6087

82.8107, 75.9633,
103.4581

89.9046, 89.8833,
106.6485

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.



45.0469, 31.2071, 156.5067



59.6444, 31.2071, 90.8757



65.8725, 31.2071, 34.8362

Triad

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



59.6444, 31.2071, 90.8757



29.9591, 31.2071, 0.3315



11.7521, 31.2071, 88.0691

Complementary

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



59.6444, 31.2071, 90.8757



38.6678, 72.8985, 17.5032

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.



9.9712, 31.2071, 33.1365



59.6444, 31.2071, 90.8757



18.2511, 31.2071, 1.2910

Square

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



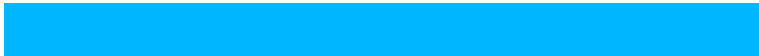
59.6444, 31.2071, 90.8757



45.7294, 31.2071, 1.3894



11.9129, 31.2071, 7.7861



17.8818, 31.2071, 154.1659

Rectangle

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



59.6444, 31.2071, 90.8757



63.2964, 31.2071, 14.1817



11.9129, 31.2071, 7.7861



10.7311, 31.2071, 66.7939

Sweetspot

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



59.6450, 31.2083, 90.8763



78.7239, 67.9639, 101.5588



21.9477, 11.6289, 95.6956



16.4051, 13.6775, 21.5260



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.



59.6450, 31.2083, 90.8763



58.0361, 28.3901, 89.1081



48.4428, 26.7274, 31.8862



18.7586, 18.2867, 22.6118



30.1382, 14.5446, 46.2394



2.9441, 1.4200, 4.5528

Inverse Universe

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



59.6450, 31.2083, 90.8763



58.0361, 28.3901, 89.1081



44.3254, 75.1615, 47.2957



18.7586, 18.2867, 22.6118



30.1382, 14.5446, 46.2394



2.9441, 1.4200, 4.5528

Previews

White Background



This preview shows how the XYZ color 59.6444, 31.2071, 90.8757 looks on a white background.

Color Contrast Check

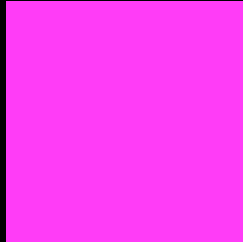
Large Text (above 18pt) WCAG AA × Fail

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 59.6444, 31.2071, 90.8757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

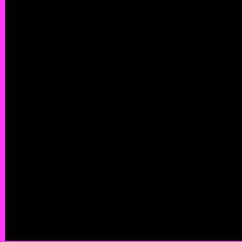
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.6444, 31.2071, 90.8757

Background



This preview shows how black text looks on a background with the XYZ color 59.6444, 31.2071, 90.8757.



This preview shows how white text looks on a background with the XYZ color 59.6444, 31.2071,

90.8757.

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

59.6444, 31.2071, 90.8757

Protanopia

34.6231, 31.7181, 98.9051

Deuteranopia

32.3483, 31.3887, 82.1956



Tritanopia

44.8967, 30.8990, 20.1208

Trichromacy



Original Color

59.6444, 31.2071, 90.8757



Protanomaly

38.4292, 27.2244, 95.3249



Deuteranomaly

37.1627, 26.9754, 84.9094



Tritanomaly

48.4480, 29.7553, 38.3118

Monochromacy



Original Color

59.6444, 31.2071, 90.8757



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

33.1125, 24.5686, 45.6448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6444, 31.2071, 90.8757 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, 60, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 60, 247)  
}
```

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, 60, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 60, 247) }
```

Border

The CSS property to change the border of an element to XYZ 59.6444, 31.2071, 90.8757 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, 60, 247) }
```


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

```
.border{ border-color:rgb(255, 60, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 60, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 60, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 60, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 60,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6444, 31.2071, 90.8757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 60, 247) }
```

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

```
.background{ background-color: rgb(255, 60,  
247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor