

Converting Colors

XYZ(79.1837, 43.4046, 65.4089)

Have a look what the booklet for
XYZ(79.1837, 43.4046, 65.4089)
contains.

XYZ(55.5267, 31.2209, 64.0724)	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(55.5267, 31.2209,
64.0724)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4DD2
RGB	255, 77, 210
RGB Percent	100%, 30%, 82%
CMY	0.0000, 0.6980, 0.1765
CMYK	0.00, 0.70, 0.18, 0.00
HSL	315°, 100%, 65%
HSV	315°, 70%, 100%
XYZ	55.5267, 31.2209, 64.0724
YIQ	145.3840, 63.3950, 79.0990

Conversions

Conversions Part 2

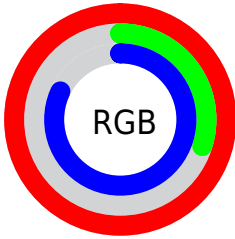
Format	Color
RYB	255, 77, 210
Decimal	16731602
CIELab	62.69, 78.79, -31.92
CIELCh	63, 85.005, 337.946
Yxy	31.2209, 0.3682, 0.2070
Android (android.graphics.Color)	4294921682 (0xFFFF4DD2)
YUV	145.3840, 31.8557, 96.1332
Hunter-Lab	55.8757, 79.6028, -28.8746

Details

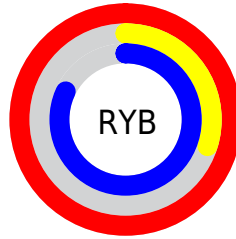
The XYZ color **55.5267, 31.2209, 64.0724** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **42.3348, 74.5036, 30.5649**, and the grayscale version is **26.9279, 28.3303, 30.8517**.

A 20% lighter version of the original color is **68.5226, 46.9452, 100.0575**, and **28.1645, 13.8359, 32.1965** is the 20% darker color. If you saturate the color by 10%, you get **53.2918, 28.0107, 59.4442**, and if you desaturate by 10%, it is **58.4943, 35.8444, 69.1051**.

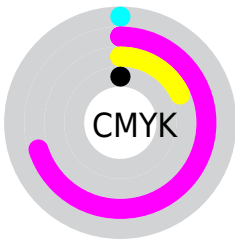
Distribution



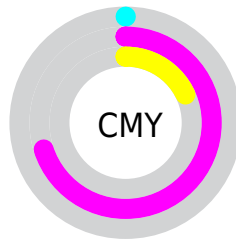
- Red (100%)
- Green (30%)
- Blue (82%)



- Red (100%)
- Yellow (30%)
- Blue (82%)



- Cyan (0%)
- Magenta (70%)
- Yellow (18%)
- Black (0%)



- Cyan (0%)
- Magenta (70%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5267, 31.2209, 64.0724 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 55.5267, 31.2209, 64.0724 by changing the saturation by 10% instead.

55.5267, 31.2209,
64.0724

55.5267, 31.2209,
64.0724

398.0094,
307.5547, 457.6657

40.0591, 20.7671,
46.2628

97.4561, 61.5877,
112.3157

27.7690, 12.9539,
32.1031

124.6485, 82.2695,
143.5864

18.2912, 7.3968,
21.1748

156.4799,
107.1294, 180.1812

11.2602, 3.7115,
13.0593

193.3157,
136.5518, 222.5186

6.3107, 1.5135,
7.3382

235.5212,
170.9212, 271.0173

3.0774, 0.2982,
3.5929

283.4617,

1.1948, 0.0000,

210.6219, 326.0956

1.4048

337.5027,
256.0382, 388.1723

■ 0.1023, 0.0000,
0.1454

■ 0.0000, 0.0000,
0.0000

■ 55.5267, 31.2209,
64.0724

■ 55.5267, 31.2209,
64.0724

■ 53.2918, 28.0107,
59.4442

■ 58.4943, 35.8444,
69.1051

■ 51.6999, 26.0353,
55.1878

■ 62.2655, 42.0230,
74.5669

■ 50.6121, 25.0177,
51.2554

■ 66.9055, 49.8861,
80.4815

■ 50.5924, 25.0010,
51.1790

■ 72.4717, 59.5481,
86.8699

■ 79.0167, 71.1136,
93.7513

■ 86.5890, 84.6790,
101.1437

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.



45.6159, 31.2209, 113.3755



55.5267, 31.2209, 64.0724



57.7084, 31.2209, 25.9049

Triad

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



55.5267, 31.2209, 64.0724



26.6962, 31.2209, 1.8579



15.3289, 31.2209, 90.3638

Complementary

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



55.5267, 31.2209, 64.0724



42.3348, 74.5036, 30.5649

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.



12.6092, 31.2209, 43.6134



55.5267, 31.2209, 64.0724



17.9613, 31.2209, 4.4022

Square

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



55.5267, 31.2209, 64.0724



38.8647, 31.2209, 2.5064



13.4279, 31.2209, 15.2042



22.0609, 31.2209, 134.2561

Rectangle

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



55.5267, 31.2209, 64.0724



54.0682, 31.2209, 11.9824



13.4279, 31.2209, 15.2042



14.0072, 31.2209, 73.5890

Sweetspot

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



55.5275, 31.2223, 64.0730



78.1779, 69.6219, 92.8989



28.6611, 16.6309, 96.3072



16.3321, 14.1905, 19.4703



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.



55.5275, 31.2223, 64.0730



52.5505, 27.0419, 57.6132



47.3770, 27.9621, 21.1530



18.5849, 18.2173, 21.6974



26.4990, 13.0889, 27.0759



2.6241, 1.2920, 2.8678

Inverse Universe

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



55.5275, 31.2223, 64.0730



52.5505, 27.0419, 57.6132



50.5170, 77.7764, 73.6514



18.5849, 18.2173, 21.6974



26.4990, 13.0889, 27.0759



2.6241, 1.2920, 2.8678

Previews

White Background



This preview shows how the XYZ color 55.5267, 31.2209, 64.0724 looks on a white background.

Color Contrast Check

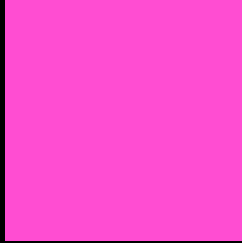
Large Text (above 18pt) WCAG AA × Fail

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 55.5267, 31.2209, 64.0724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

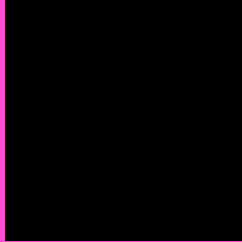
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.5267, 31.2209, 64.0724

Background



This preview shows how black text looks on a background with the XYZ color 55.5267, 31.2209, 64.0724.



This preview shows how white text looks on a background with the XYZ color 55.5267, 31.2209,

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

55.5267, 31.2209, 64.0724

Protanopia

34.8609, 31.8407, 98.9162

Deuteranopia

32.0408, 31.2811, 58.3820



Tritanopia

46.1407, 31.0932, 19.1925

Trichromacy



Original Color

55.5267, 31.2209, 64.0724



Protanomaly

37.3609, 27.9750, 85.0919



Deuteranomaly

37.1539, 28.4228, 60.0278



Tritanomaly

48.5044, 30.4623, 31.3403

Monochromacy



Original Color

55.5267, 31.2209, 64.0724



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

33.8855, 26.6118, 40.8867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5267, 31.2209, 64.0724 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, 77, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 210)  
}
```

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, 77, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 210) }
```

Border

The CSS property to change the border of an element to XYZ 55.5267, 31.2209, 64.0724 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, 77, 210) }
```


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

```
.border{ border-color:rgb(255, 77, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 77, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5267, 31.2209, 64.0724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 210) }
```

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

```
.background{ background-color: rgb(255, 77,  
210) }
```

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