

Converting Colors

XYZ(54.2063, 28.3407, 64.3704)

Have a look what the booklet for
XYZ(54.2063, 28.3407, 64.3704)
contains.

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Color

**XYZ(54.1817, 28.3308,
64.2407)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33D3
RGB	255, 51, 211
RGB Percent	100%, 20%, 83%
CMY	0.0000, 0.7999, 0.1725
CMYK	0.00, 0.80, 0.17, 0.00
HSL	313°, 100%, 60%
HSV	313°, 80%, 100%
XYZ	54.1817, 28.3308, 64.2407
YIQ	130.2360, 70.2240, 93.0080

Conversions

Conversions Part 2

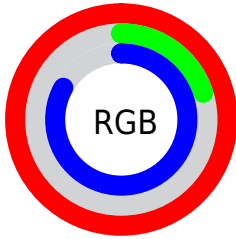
Format	Color
R_{YB}	255, 51, 211
Decimal	16724947
CIE _{Lab}	60.19, 86.19, -36.39
CIE _{LCh}	60, 93.556, 337.111
Yxy	28.3308, 0.3692, 0.1931
Android (android.graphics.Color)	4294915027 (0xFFFF33D3)
YUV	130.2360, 39.8167, 109.4180
Hunter-Lab	53.2267, 88.5560, -34.3000

Details

The XYZ color **54.1817, 28.3308, 64.2407** 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 **39.1922, 73.0507, 22.8644**, and the grayscale version is **21.1502, 22.2517, 24.2321**.

A 20% lighter version of the original color is **66.1274, 42.1547, 99.2591**, and **28.2489, 13.8696, 32.6407** is the 20% darker color. If you saturate the color by 10%, you get **52.6787, 26.4094, 60.3957**, and if you desaturate by 10%, it is **56.3196, 31.4839, 68.4143**.

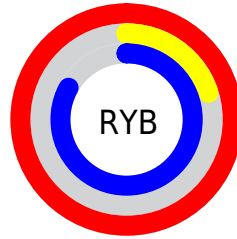
Distribution



Red (100%)

Green (20%)

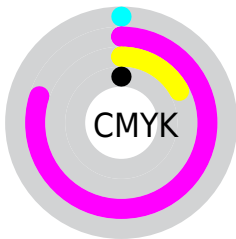
Blue (83%)



Red (100%)

Yellow (20%)

Blue (83%)

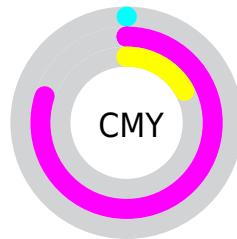


Cyan (0%)

Magenta (80%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.1817, 28.3308, 64.2407 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 54.1817, 28.3308, 64.2407 by changing the saturation by 10% instead.


 54.1817, 28.3308,
64.2407


 54.1817, 28.3308,
64.2407


392.9896,
294.0442, 458.2896


 38.9782, 18.5752,
46.3982


 95.4963, 57.0121,
112.5603


 26.9234, 11.3637,
32.2093


 122.3381, 76.7067,
143.8745


 17.6520, 6.3120,
21.2552


 153.7901,
100.4829, 180.5164

 10.7986, 3.0357,
13.1176

 190.2176,
128.7253, 222.9045

 5.9979, 1.1504,
7.3779

 231.9859,
161.8183, 271.4573

 2.8844, 0.0206,
3.6175

279.4604,

 1.0929, 0.0000,

200.1461, 326.5934

1.4180

333.0065,
244.0933, 388.7313

■ 0.0192, 0.0000,
0.1557

■ 0.0000, 0.0000,
0.0000

■ 54.1817, 28.3308,
64.2407

■ 54.1817, 28.3308,
64.2407

■ 52.6787, 26.4094,
60.3957

■ 56.3196, 31.4839,
68.4143

■ 51.6655, 25.4304,
56.8289

■ 59.1778, 36.0396,
72.9453

■ 51.6649, 25.4300,
56.8269

■ 62.8305, 42.1458,
77.8599

■ 67.3418, 49.9305,
83.1804

72.7695, 59.5085,
88.9272

79.1658, 70.9845,
95.1188

86.5793, 84.4548,
101.7724

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.



43.3375, 28.3308, 118.9167



54.1817, 28.3308, 64.2407



56.8297, 28.3308, 23.3860

Triad

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



54.1817, 28.3308, 64.2407



24.1777, 28.3308, 0.7644



12.4283, 28.3308, 90.1548

Complementary

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



54.1817, 28.3308, 64.2407



39.1922, 73.0507, 22.8644

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.



9.9379, 28.3308, 39.7478



54.1817, 28.3308, 64.2407



15.2916, 28.3308, 2.4873

Square

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



54.1817, 28.3308, 64.2407



36.9074, 28.3308, 1.2540



10.8031, 28.3308, 11.6574



18.9315, 28.3308, 140.1273

Rectangle

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



54.1817, 28.3308, 64.2407



53.0475, 28.3308, 9.5047



10.8031, 28.3308, 11.6574



11.1977, 28.3308, 71.6893

Sweetspot

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



54.1824, 28.3321, 64.2412



76.4842, 66.1533, 92.5841



23.6293, 11.8545, 95.6505



15.8890, 13.2963, 19.3474



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.



54.1824, 28.3321, 64.2412



52.0347, 25.7550, 58.2280



45.3608, 24.8035, 17.7874



18.6150, 18.2293, 21.8558



27.0536, 13.3107, 29.9964



2.6738, 1.3119, 3.1298

Inverse Universe

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



54.1824, 28.3321, 64.2412



52.0347, 25.7550, 58.2280



46.8416, 76.1104, 63.1458



18.6150, 18.2293, 21.8558



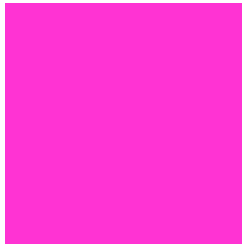
27.0536, 13.3107, 29.9964



2.6738, 1.3119, 3.1298

Previews

White Background



This preview shows how the XYZ color 54.1817, 28.3308, 64.2407 looks on a white background.

Color Contrast Check

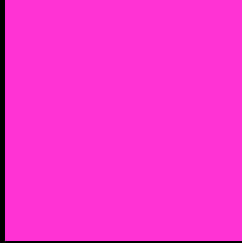
Large Text (above 18pt) WCAG AA ✓ Pass

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 54.1817, 28.3308, 64.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

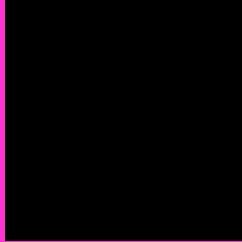
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 54.1817, 28.3308, 64.2407

Background



This preview shows how black text looks on a background with the XYZ color 54.1817, 28.3308, 64.2407.



This preview shows how white text looks on a background with the XYZ color 54.1817, 28.3308,

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

54.1817, 28.3308, 64.2407

Protanopia

32.1366, 28.8413, 98.4809

Deuteranopia

29.1845, 28.4356, 57.9833



Tritanopia

43.8227, 28.1420, 14.9266

Trichromacy



Original Color

54.1817, 28.3308, 64.2407



Protanomaly

33.8111, 23.7486, 84.4632



Deuteranomaly

34.0346, 24.5776, 59.4500



Tritanomaly

46.5249, 27.4820, 27.6634

Monochromacy



Original Color

54.1817, 28.3308, 64.2407



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

28.5909, 20.9245, 35.3328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.1817, 28.3308, 64.2407 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 211) }
```

Border

The CSS property to change the border of an element to XYZ 54.1817, 28.3308, 64.2407 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, 211) }
```


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

```
.border{ border-color:rgb(255, 51, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 54.1817, 28.3308, 64.2407 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, 211) }
```

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

```
.background{ background-color: rgb(255, 51,  
211) }
```

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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