

Converting Colors

XYZ(58.6332, 32.1918, 81.2684)

Have a look what the booklet for
XYZ(58.6332, 32.1918, 81.2684)
contains.

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Color

**XYZ(58.6074, 32.2327,
80.9745)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4BEA
RGB	255, 75, 234
RGB Percent	100%, 29%, 92%
CMY	0.0000, 0.7058, 0.0824
CMYK	0.00, 0.71, 0.08, 0.00
HSL	307°, 100%, 65%
HSV	307°, 71%, 100%
XYZ	58.6074, 32.2327, 80.9745
YIQ	146.9460, 56.2410, 87.6090

Conversions

Conversions Part 2

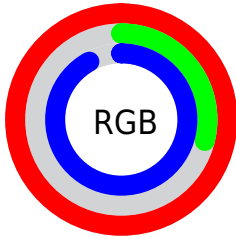
Format	Color
RYB	255, 75, 234
Decimal	16731114
CIELab	63.53, 82.75, -44.07
CIELCh	64, 93.756, 331.961
Yxy	32.2327, 0.3411, 0.1876
Android (android.graphics.Color)	4294921194 (0xFFFF4BEA)
YUV	146.9460, 42.9176, 94.7634
Hunter-Lab	56.7738, 84.9105, -44.8215

Details

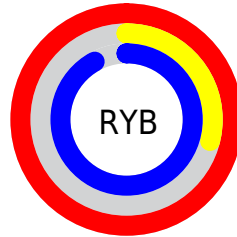
The XYZ color **58.6074, 32.2327, 80.9745** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **40.7741, 73.8609, 23.1761**, and the grayscale version is **27.5248, 28.9583, 31.5355**.

A 20% lighter version of the original color is **68.3785, 46.6570, 100.0095**, and **30.2840, 14.6837, 43.3576** is the 20% darker color. If you saturate the color by 10%, you get **56.7871, 29.2705, 78.2769**, and if you desaturate by 10%, it is **61.1287, 36.5854, 83.9419**.

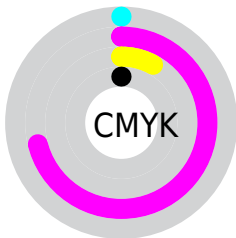
Distribution



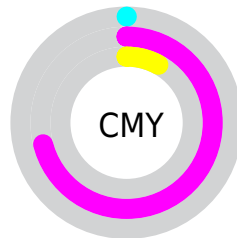
- Red (100%)
- Green (29%)
- Blue (92%)



- Red (100%)
- Yellow (29%)
- Blue (92%)



- Cyan (0%)
- Magenta (71%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (71%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6074, 32.2327, 80.9745 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 58.6074, 32.2327, 80.9745 by changing the saturation by 10% instead.


 58.6074, 32.2327,
80.9745

 58.6074, 32.2327,
80.9745


409.3629,
312.1779, 518.0040


 42.5423, 21.5393,
59.9897


 101.9247, 63.1757,
136.5587

 29.7191, 13.5188,
42.9851


 129.9077, 84.1941,
171.9952

 19.7725, 7.7867,
29.5421


 162.5940,
109.4230, 213.0861

 12.3371, 3.9588,
19.2422

 200.3490,
139.2467, 260.2498

 7.0475, 1.6505,
11.6668

243.5380,
174.0496, 313.9049

 3.5384, 0.3913,
6.3975

292.5264,

 1.4445, 0.0000,

214.2162, 374.4699

3.0156

347.6796,
260.1309, 442.3635

■ 0.2876, 0.0000,
1.1026

■ 0.0000, 0.0000,
0.0000

■ 58.6074, 32.2327,
80.9745

■ 58.6074, 32.2327,
80.9745

■ 56.7871, 29.2705,
78.2769

■ 61.1287, 36.5854,
83.9419

■ 55.5774, 27.5179,
75.8177

■ 64.4229, 42.4725,
87.2022

■ 54.8646, 26.7099,
73.6763

■ 68.5553, 50.0242,
90.7776

■ 73.5834, 59.3558,
94.6876

79.5598, 70.5724,
98.9497

86.5331, 83.7709,
103.5804

94.5484, 99.0416,
108.5947

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.



45.9606, 32.2327, 138.4449



58.6074, 32.2327, 80.9745



63.2484, 32.2327, 32.6896

Triad

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



58.6074, 32.2327, 80.9745



29.7840, 32.2327, 1.1148



13.8765, 32.2327, 88.6558

Complementary

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



58.6074, 32.2327, 80.9745



40.7741, 73.8609, 23.1761

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.



11.7561, 32.2327, 37.6176



58.6074, 32.2327, 80.9745



19.1642, 32.2327, 2.5991

Square

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



58.6074, 32.2327, 80.9745



44.0356, 32.2327, 2.1884



13.3753, 32.2327, 10.9678



20.2747, 32.2327, 144.6869

Rectangle

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



58.6074, 32.2327, 80.9745



60.3602, 32.2327, 14.4716



13.3753, 32.2327, 10.9678



12.7375, 32.2327, 69.4872

Sweetspot

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



58.6081, 32.2340, 80.9751



79.2920, 70.0675, 98.7654



25.3915, 14.7407, 96.1147



16.6001, 14.2977, 20.8811



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.



58.6081, 32.2340, 80.9751



56.1836, 28.3593, 77.1636



48.7912, 28.3073, 29.2802



18.6960, 18.2617, 22.2824



28.7043, 13.9710, 38.6888



2.8196, 1.3702, 3.8974

Inverse Universe

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



58.6081, 32.2340, 80.9751



56.1836, 28.3593, 77.1636



47.5257, 76.5616, 58.7294



18.6960, 18.2617, 22.2824



28.7043, 13.9710, 38.6888



2.8196, 1.3702, 3.8974

Previews

White Background



This preview shows how the XYZ color 58.6074, 32.2327, 80.9745 looks on a white background.

Color Contrast Check

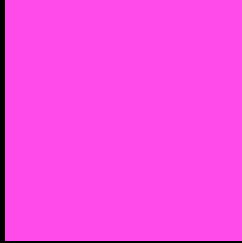
Large Text (above 18pt) WCAG AA × Fail

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 58.6074, 32.2327, 80.9745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

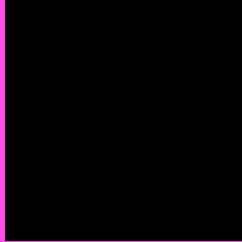
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.6074, 32.2327, 80.9745

Background



This preview shows how black text looks on a background with the XYZ color 58.6074, 32.2327, 80.9745.



This preview shows how white text looks on a background with the XYZ color 58.6074, 32.2327,

80.9745.

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

58.6074, 32.2327, 80.9745

Protanopia

35.5470, 32.6682, 99.0398

Deuteranopia

33.3284, 32.5684, 73.6370



Tritanopia

46.1465, 31.9991, 21.5136

Trichromacy



Original Color

58.6074, 32.2327, 80.9745



Protanomaly

38.9757, 28.6678, 91.4749



Deuteranomaly

38.5166, 29.1569, 75.5493



Tritanomaly

49.2526, 31.2710, 37.1582

Monochromacy



Original Color

58.6074, 32.2327, 80.9745



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

35.2238, 27.3685, 46.0740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6074, 32.2327, 80.9745 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, 75, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 75, 234)  
}
```

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, 75, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 75, 234) }
```

Border

The CSS property to change the border of an element to XYZ 58.6074, 32.2327, 80.9745 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, 75, 234) }
```


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

```
.border{ border-color:rgb(255, 75, 234) }
```

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

Here you see how a box with a 4 pixel rgb(255, 75, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 75, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 75, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 75,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6074, 32.2327, 80.9745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 75, 234) }
```

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

```
.background{ background-color: rgb(255, 75,  
234) }
```

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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