

Converting Colors

XYZ(50.8502, 31.8749, 57.9554)

Have a look what the booklet for
XYZ(50.8502, 31.8749, 57.9554)
contains.

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Color

**XYZ(51.0142, 32.0028,
58.1320)**

Conversions

Conversions Part 1

Format	Color
Hex	F065C8
RGB	240, 101, 200
RGB Percent	94%, 40%, 78%
CMY	0.0588, 0.6039, 0.2157
CMYK	0.00, 0.58, 0.17, 0.06
HSL	317°, 82%, 67%
HSV	317°, 58%, 94%
XYZ	51.0142, 32.0028, 58.1320
YIQ	153.8470, 51.0650, 60.2570

Conversions

Conversions Part 2

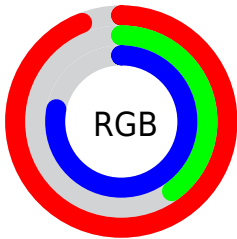
Format	Color
R _Y B	240, 101, 200
Decimal	15754696
CIE Lab	63.35, 64.33, -25.45
CIE LCh	63, 69.183, 338.419
Yxy	32.0028, 0.3614, 0.2267
Android (android.graphics.Color)	4293944776 (0xFFFF065C8)
YUV	153.8470, 22.7534, 75.5562
Hunter-Lab	56.5710, 61.9671, -21.3263

Details

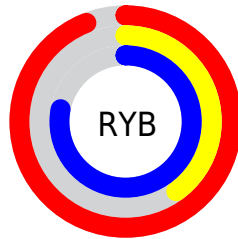
The XYZ color **51.0142, 32.0028, 58.1320** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **41.3362, 67.0110, 35.9580**, and the grayscale version is **30.5372, 32.1276, 34.9869**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **25.0032, 13.4167, 28.4660** is the 20% darker color. If you saturate the color by 10%, you get **48.2259, 27.6886, 53.3096**, and if you desaturate by 10%, it is **54.5212, 37.6950, 63.3745**.

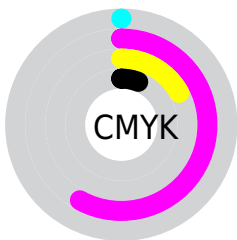
Distribution



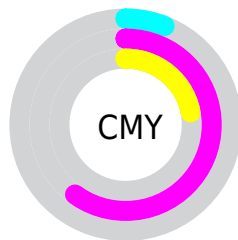
- Red (94%)
- Green (40%)
- Blue (78%)



- Red (94%)
- Yellow (40%)
- Blue (78%)



- Cyan (0%)
- Magenta (58%)
- Yellow (17%)
- Black (6%)





- Cyan (6%)
- Magenta (60%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0142, 32.0028, 58.1320 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 51.0142, 32.0028, 58.1320 by changing the saturation by 10% instead.


 51.0142, 32.0028,
58.1320


 51.0142, 32.0028,
58.1320


381.0057,
311.1320, 435.2896


 36.4410, 21.3636,
41.4994


 90.8586, 62.8155,
103.6317

 24.9467, 13.3901,
28.3869

 116.8606, 83.7578,
133.3359

 16.1658, 7.6977,
18.3759


 147.4028,
108.9033, 168.2344

 9.7332, 3.9021,
11.0480

 182.8507,
138.6363, 208.7456

 5.2833, 1.6190,
5.9845

223.5695,
173.3413, 255.2883

 2.4509, 0.3703,
2.7670

269.9248,

 0.8706, 0.0000,

213.4027, 308.2808

0.9770

322.2817,
259.2048, 368.1417

■ 0.0000, 0.0000,
0.0000

■ 51.0142, 32.0028,
58.1320

■ 51.0142, 32.0028,
58.1320

■ 48.2259, 27.6886,
53.3096

■ 54.5212, 37.6950,
63.3745

■ 46.0917, 24.6254,
48.8825

■ 58.7980, 44.8682,
69.0555

■ 44.5400, 22.6705,
44.8248

■ 63.8945, 53.6211,
75.1943

■ 43.4721, 21.6270,
41.1011

■ 69.8554, 64.0422,
81.8079

■ 43.2796, 21.4631,
40.3559

■ 76.7222, 76.2137,
88.9124

■ 84.5335, 90.2123,
96.5227

■ 88.6928, 96.8444,
103.1089

■ 89.7454, 97.2654,
108.6517

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.3906, 32.0028, 94.8445



51.0142, 32.0028, 58.1320



52.5758, 32.0028, 27.6646

Triad

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



51.0142, 32.0028, 58.1320



27.7944, 32.0028, 4.3488



18.1262, 32.0028, 79.1017

Complementary

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



51.0142, 32.0028, 58.1320



41.3362, 67.0110, 35.9580

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.



15.5677, 32.0028, 43.1728



51.0142, 32.0028, 58.1320



20.3285, 32.0028, 7.6697

Square

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



51.0142, 32.0028, 58.1320



37.7251, 32.0028, 5.1800



16.2789, 32.0028, 18.7933



24.1207, 32.0028, 110.7473

Rectangle

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



51.0142, 32.0028, 58.1320



49.7121, 32.0028, 15.2556



16.2789, 32.0028, 18.7933



16.9000, 32.0028, 66.5462

Sweetspot

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



51.0152, 32.0044, 58.1326



80.8020, 74.6145, 94.5614



31.2636, 21.2094, 84.8847



16.9784, 15.4132, 19.9009



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.



51.0152, 32.0044, 58.1326



54.9824, 31.2363, 60.4874



44.6949, 29.4762, 24.8501



16.2490, 15.9493, 18.8676



23.7521, 11.7733, 22.4091



2.0187, 0.9965, 2.0894

Inverse Universe

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



51.0152, 32.0044, 58.1326



54.9824, 31.2363, 60.4874



48.1466, 69.7352, 71.8207



16.2490, 15.9493, 18.8676



23.7521, 11.7733, 22.4091



2.0187, 0.9965, 2.0894

Previews

White Background



This preview shows how the XYZ color 51.0142, 32.0028, 58.1320 looks on a white background.

Color Contrast Check

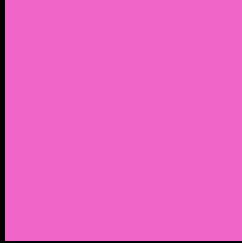
Large Text (above 18pt) WCAG AA × Fail

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 51.0142, 32.0028, 58.1320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

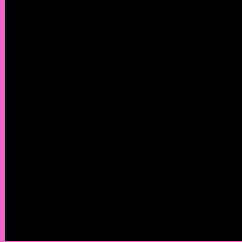
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0142, 32.0028, 58.1320

Background



This preview shows how black text looks on a background with the XYZ color 51.0142, 32.0028, 58.1320.

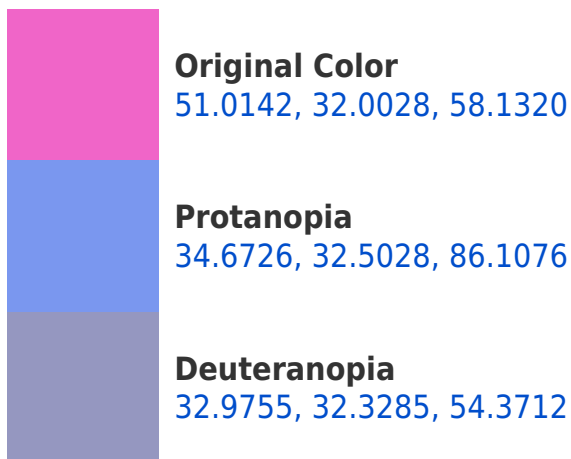


This preview shows how white text looks on a background with the XYZ color 51.0142, 32.0028,

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





Tritanopia

44.0319, 32.0496, 23.9441

Trichromacy



Original Color

51.0142, 32.0028, 58.1320



Protanomaly

37.4952, 30.2106, 75.0892



Deuteranomaly

37.5293, 30.6603, 55.5698



Tritanomaly

46.2190, 31.7543, 34.2650

Monochromacy



Original Color

51.0142, 32.0028, 58.1320



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

36.0222, 30.5825, 42.5325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0142, 32.0028, 58.1320 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(240, 101, 200)` looks like.

```
.text, #text, p{  
    color:rgb(240, 101, 200)  
}
```

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(240, 101, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 101, 200) }
```

Border

The CSS property to change the border of an element to XYZ 51.0142, 32.0028, 58.1320 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(240, 101, 200) }
```


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

```
.border{ border-color:rgb(240, 101, 200) }
```

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

Here you see how a box with a 4 pixel rgb(240, 101, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 101, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 101, 200);  
box-shadow:4px 4px 4px 4px rgb(240, 101,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0142, 32.0028, 58.1320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 101, 200) }
```

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

```
.background{ background-color: rgb(240,  
101, 200) }
```

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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