

Converting Colors

XYZ(52.0207, 25.1502, 77.7689)

Have a look what the booklet for
XYZ(52.0207, 25.1502, 77.7689)
contains.

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Color

**XYZ(52.0800, 25.1820,
77.7170)**

Conversions

Conversions Part 1

Format	Color
Hex	F500E7
RGB	245, 0, 231
RGB Percent	96%, 0%, 91%
CMY	0.0392, 0.9998, 0.0941
CMYK	0.00, 1.00, 0.06, 0.04
HSL	303°, 100%, 48%
HSV	303°, 100%, 96%
XYZ	52.0800, 25.1820, 77.7170
YIQ	99.5890, 71.8690, 123.7810

Conversions

Conversions Part 2

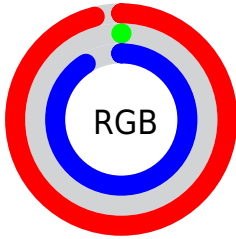
Format	Color
R_{YB}	245, 0, 231
Decimal	16056551
CIE _{Lab}	57.25, 93.41, -52.44
CIE _{LCh}	57, 107.120, 330.689
Yxy	25.1820, 0.3360, 0.1625
Android (android.graphics.Color)	4294246631 (0xFFFF500E7)
YUV	99.5890, 64.7856, 127.5254
Hunter-Lab	50.1817, 97.4346, -56.6960

Details

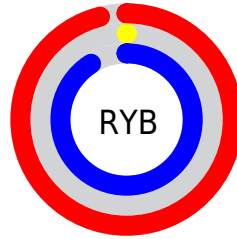
The XYZ color **52.0800, 25.1820, 77.7170** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **32.7329, 65.3377, 11.3033**, and the grayscale version is **11.8436, 12.4604, 13.5693**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **27.5050, 13.2855, 41.6721** is the 20% darker color. If you saturate the color by 10%, you get **52.0802, 25.1821, 77.7154**, and if you desaturate by 10%, it is **52.6171, 25.9376, 78.8760**.

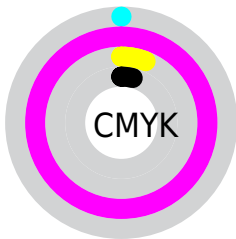
Distribution



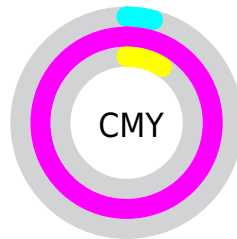
- Red (96%)
- Green (0%)
- Blue (91%)



- Red (96%)
- Yellow (0%)
- Blue (91%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0800, 25.1820, 77.7170 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 52.0800, 25.1820, 77.7170 by changing the saturation by 10% instead.

 52.0800, 25.1820,
77.7170


 52.0800, 25.1820,
77.7170

385.0643,
278.7431, 506.7076


 37.2934, 16.2127,
57.3265


 92.4227, 51.9523,
131.9333


 25.6094, 9.6748,
40.8563


 118.7096, 70.5221,
166.5962


 16.6628, 5.1839,
27.8880


 149.5605, 93.0609,
206.8536

 10.0882, 2.3555,
18.0029

 185.3409,
119.9531, 253.1241

 5.5202, 0.8029,
10.7826

 226.4161,
151.5830, 305.8262

 2.5934, 0.0000,
5.8085

273.1515,

 0.9426, 0.0000,

188.3350, 365.3785

2.6621

325.9124,
230.5936, 432.1994

■ 0.0000, 0.0000,
0.9243

■ 0.0000, 0.0000,
0.0000

■ 52.0800, 25.1820,
77.7170

■ 52.0800, 25.1820,
77.7170

■ 52.0802, 25.1821,
77.7154

■ 52.6171, 25.9376,
78.8760

■ 53.5795, 27.5421,
80.1844

■ 55.0997, 30.2595,
81.6865

■ 57.2564, 34.2476,
83.4088

60.1162, 39.6391,
85.3732

63.7369, 46.5499,
87.5992

68.1705, 55.0840,
90.1040

73.4643, 65.3360,
92.9036

79.6622, 77.3934,
96.0124

Harmonies

Analogous

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



38.6449, 25.1820, 141.8125



52.0800, 25.1820, 77.7170



57.4912, 25.1820, 26.5884

Triad

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



52.0800, 25.1820, 77.7170



23.6430, 25.1820, 0.0000



8.5034, 25.1820, 80.6641

Complementary

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



52.0800, 25.1820, 77.7170



32.7329, 65.3377, 11.3033

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.



6.9050, 25.1820, 28.2665



52.0800, 25.1820, 77.7170



13.5302, 25.1820, 0.4610

Square

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



52.0800, 25.1820, 77.7170



37.9507, 25.1820, 0.3709



8.3573, 25.1820, 5.4833



13.8801, 25.1820, 144.3366

Rectangle

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



52.0800, 25.1820, 77.7170



54.7224, 25.1820, 9.4188



8.3573, 25.1820, 5.4833



7.6131, 25.1820, 60.1907

Sweetspot

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



52.0810, 25.1832, 77.7175



74.6140, 60.2417, 98.6545



16.6378, 6.6739, 86.7985



15.5081, 12.0025, 20.8600



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.



52.0810, 25.1832, 77.7175



57.0314, 27.5766, 85.0865



40.4866, 20.5455, 16.6622



17.1703, 16.7510, 20.6435



28.0743, 13.5731, 41.9609



2.4797, 1.1978, 3.7525

Inverse Universe

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



52.0810, 25.1832, 77.7175



57.0314, 27.5766, 85.0865



37.0104, 67.0487, 33.8281



17.1703, 16.7510, 20.6435



28.0743, 13.5731, 41.9609



2.4797, 1.1978, 3.7525

Previews

White Background



This preview shows how the XYZ color 52.0800, 25.1820, 77.7170 looks on a white background.

Color Contrast Check

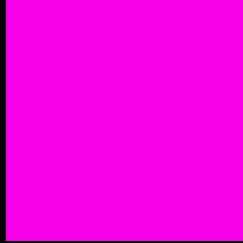
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.0800, 25.1820, 77.7170 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 52.0800, 25.1820, 77.7170

Background



This preview shows how black text looks on a background with the XYZ color 52.0800, 25.1820, 77.7170.



This preview shows how white text looks on a background with the XYZ color 52.0800, 25.1820,

77.7170.

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

52.0800, 25.1820, 77.7170

Protanopia

29.6156, 26.0438, 98.0738

Deuteranopia

26.5426, 25.7281, 69.2127



Tritanopia

38.8538, 25.3342, 14.1514

Trichromacy



Original Color

52.0800, 25.1820, 77.7170



Protanomaly

30.2789, 18.6278, 89.1884



Deuteranomaly

29.4370, 18.8327, 71.1908



Tritanomaly

41.2934, 22.9343, 29.4445

Monochromacy



Original Color

52.0800, 25.1820, 77.7170



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

20.3156, 12.5772, 29.3739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0800, 25.1820, 77.7170 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(245, 0, 231)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 231)  
}
```

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(245, 0, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 231) }
```

Border

The CSS property to change the border of an element to XYZ 52.0800, 25.1820, 77.7170 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(245, 0, 231) }
```


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

```
.border{ border-color:rgb(245, 0, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 0, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 231);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0800, 25.1820, 77.7170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 231) }
```

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

```
.background{ background-color: rgb(245, 0,  
231) }
```

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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