

Converting Colors

XYZ(52.2079, 25.9048, 84.6865)

Have a look what the booklet for
XYZ(52.2079, 25.9048, 84.6865)
contains.

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Color

**XYZ(52.2072, 25.9042,
84.6865)**

Conversions

Conversions Part 1

Format	Color
Hex	F021F0
RGB	240, 33, 240
RGB Percent	94%, 13%, 94%
CMY	0.0588, 0.8705, 0.0588
CMYK	0.00, 0.86, 0.00, 0.06
HSL	300°, 87%, 54%
HSV	300°, 86%, 94%
XYZ	52.2072, 25.9042, 84.6865
YIQ	118.4910, 56.9250, 108.2610

Conversions

Conversions Part 2

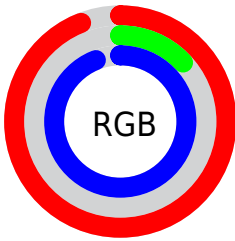
Format	Color
R _{YB}	240, 33, 240
Decimal	15737328
CIE _{Lab}	57.95, 90.75, -56.43
CIE _{LCh}	58, 106.865, 328.123
Y _{xy}	25.9042, 0.3207, 0.1591
Android (android.graphics.Color)	4293927408 (0xFFFF021F0)
YUV	118.4910, 59.9039, 106.5634
Hunter-Lab	50.8962, 94.0297, -63.0257

Details

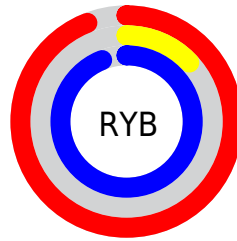
The XYZ color **52.2072, 25.9042, 84.6865** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **32.0630, 62.7546, 11.8630**, and the grayscale version is **17.1820, 18.0768, 19.6856**.

A 20% lighter version of the original color is **64.9744, 39.8489, 98.8748**, and **27.1376, 13.0026, 45.8792** is the 20% darker color. If you saturate the color by 10%, you get **51.7618, 25.0125, 84.5381**, and if you desaturate by 10%, it is **53.1279, 27.7446, 84.9937**.

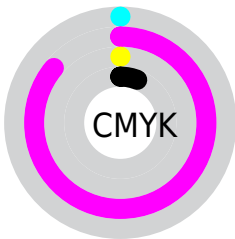
Distribution



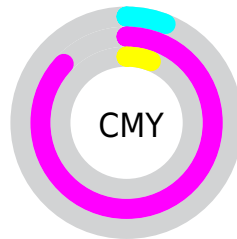
- Red (94%)
- Green (13%)
- Blue (94%)



- Red (94%)
- Yellow (13%)
- Blue (94%)



- Cyan (0%)
- Magenta (86%)
- Yellow (0%)
- Black (6%)



- Cyan (6%)
- Magenta (87%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2072, 25.9042, 84.6865 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 52.2072, 25.9042, 84.6865 by changing the saturation by 10% instead.


 52.2072, 25.9042,
84.6865

 52.2072, 25.9042,
84.6865

385.5468,
282.3115, 530.7076


 37.3952, 16.7520,
63.0337

 92.6092, 53.1204,
141.8054

 25.6887, 10.0578,
45.4273

 118.9298, 71.9531,
178.1085


 16.7224, 5.4373,
31.4487


 149.8174, 94.7814,
220.1322

 10.1308, 2.5061,
20.6795

 185.6373,
121.9898, 268.2950

 5.5487, 0.8797,
12.7010

 226.7548,
153.9626, 323.0154

 2.6107, 0.0000,
7.0946

273.5354,

 0.9514, 0.0000,

191.0842, 384.7119

3.4420

326.3442,
233.7391, 453.8032

■ 0.0000, 0.0000,
1.3245

■ 0.0000, 0.0000,
0.0818

■ 52.2072, 25.9042,
84.6865

■ 52.2072, 25.9042,
84.6865

■ 51.7618, 25.0125,
84.5381

■ 53.1279, 27.7446,
84.9937

■ 51.6639, 24.8168,
84.5055

■ 54.6076, 30.7040,
85.4870

■ 56.7172, 34.9232,
86.1903

■ 59.5164, 40.5216,
87.1234

63.0579, 47.6046,
88.3040

67.3894, 56.2676,
89.7480

72.5546, 66.5978,
91.4698

78.5938, 78.6762,
93.4830

85.5450, 92.5786,
95.8001

Harmonies

Analogous

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



38.2367, 25.9042, 148.3921



52.2072, 25.9042, 84.6865



58.5938, 25.9042, 30.5925

Triad

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



52.2072, 25.9042, 84.6865



25.4412, 25.9042, 0.0000



8.6018, 25.9042, 76.5860

Complementary

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



52.2072, 25.9042, 84.6865



32.0630, 62.7546, 11.8630

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.



7.2373, 25.9042, 25.9456



52.2072, 25.9042, 84.6865



14.6954, 25.9042, 0.3956

Square

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



52.2072, 25.9042, 84.6865



40.1518, 25.9042, 0.6403



9.0104, 25.9042, 4.8833



13.7218, 25.9042, 141.4759

Rectangle

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



52.2072, 25.9042, 84.6865



56.4541, 25.9042, 11.3955



9.0104, 25.9042, 4.8833



7.7879, 25.9042, 56.5197

Sweetspot

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



52.2083, 25.9054, 84.6870



77.4231, 64.7462, 103.0241



16.9004, 7.7035, 83.0355



16.1782, 13.0712, 21.9202



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.



52.2083, 25.9054, 84.6870



59.2898, 28.4799, 96.9788



40.9602, 21.4062, 25.4554



16.4543, 16.0314, 19.9487



28.2812, 13.5849, 46.2589



2.3527, 1.1301, 3.8483

Inverse Universe

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



52.2083, 25.9054, 84.6870



59.2898, 28.4799, 96.9788



36.2684, 64.4368, 34.0084



16.4543, 16.0314, 19.9487



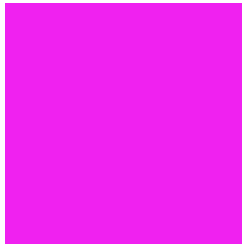
28.2812, 13.5849, 46.2589



2.3527, 1.1301, 3.8483

Previews

White Background



This preview shows how the XYZ color 52.2072, 25.9042, 84.6865 looks on a white background.

Color Contrast Check

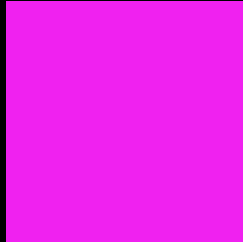
Large Text (above 18pt) WCAG AA ✓ Pass

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 52.2072, 25.9042, 84.6865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

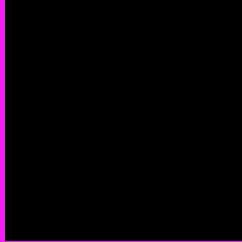
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 52.2072, 25.9042, 84.6865

Background



This preview shows how black text looks on a background with the XYZ color 52.2072, 25.9042, 84.6865.



This preview shows how white text looks on a background with the XYZ color 52.2072, 25.9042,

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

52.2072, 25.9042, 84.6865

Protanopia

29.9147, 26.4061, 98.1280

Deuteranopia

27.0360, 26.2734, 75.5978



Tritanopia

37.9177, 25.7424, 16.0670

Trichromacy



Original Color

52.2072, 25.9042, 84.6865



Protanomaly

31.8705, 21.0600, 92.8277



Deuteranomaly

30.4052, 20.9165, 78.0361



Tritanomaly

40.8317, 24.0205, 32.6213

Monochromacy



Original Color

52.2072, 25.9042, 84.6865



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

25.2048, 17.4103, 36.6824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2072, 25.9042, 84.6865 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, 33, 240)` looks like.

```
.text, #text, p{  
    color:rgb(240, 33, 240)  
}
```

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, 33, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 33, 240) }
```

Border

The CSS property to change the border of an element to XYZ 52.2072, 25.9042, 84.6865 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, 33, 240) }
```


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

```
.border{ border-color:rgb(240, 33, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 33, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 33, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 33, 240);  
box-shadow:4px 4px 4px 4px rgb(240, 33,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2072, 25.9042, 84.6865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 33, 240) }
```

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

```
.background{ background-color: rgb(240, 33,  
240) }
```

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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