

Converting Colors

XYZ(51.3081, 25.1796, 59.8118)

Have a look what the booklet for
XYZ(51.3081, 25.1796, 59.8118)
contains.

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Color

**XYZ(51.1643, 25.1032,
59.9064)**

Conversions

Conversions Part 1

Format	Color
Hex	FC00CD
RGB	252, 0, 205
RGB Percent	99%, 0%, 80%
CMY	0.0118, 0.9998, 0.1961
CMYK	0.00, 1.00, 0.19, 0.01
HSL	311°, 100%, 49%
HSV	311°, 100%, 99%
XYZ	51.1643, 25.1032, 59.9064
YIQ	98.7180, 84.3870, 117.1790

Conversions

Conversions Part 2

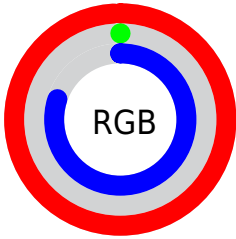
Format	Color
R_{YB}	252, 0, 205
Decimal	16515277
CIE _{Lab}	57.18, 91.32, -37.72
CIE _{LCh}	57, 98.806, 337.559
Yxy	25.1032, 0.3757, 0.1843
Android (android.graphics.Color)	4294705357 (0xFFFC00CD)
YUV	98.7180, 52.3970, 134.4283
Hunter-Lab	50.1031, 94.6003, -35.8187

Details

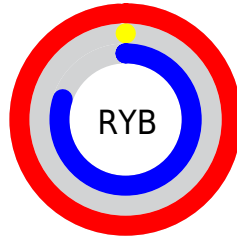
The XYZ color **51.1643, 25.1032, 59.9064** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **35.3254, 69.8272, 14.3111**, and the grayscale version is **11.6545, 12.2614, 13.3527**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **26.7402, 13.1492, 29.9828** is the 20% darker color. If you saturate the color by 10%, you get **51.1634, 25.1029, 59.9004**, and if you desaturate by 10%, it is **52.0939, 26.0400, 63.0585**.

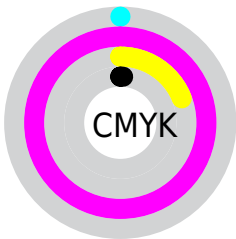
Distribution



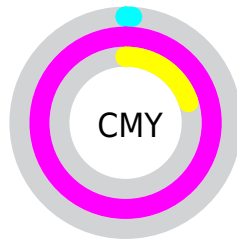
- Red (99%)
- Green (0%)
- Blue (80%)



- Red (99%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1643, 25.1032, 59.9064 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 51.1643, 25.1032, 59.9064 by changing the saturation by 10% instead.

 51.1643, 25.1032,
59.9064


 51.1643, 25.1032,
59.9064


381.5789,
278.3515, 442.0477


 36.5610, 16.1540,
42.9184


 91.0791, 51.8246,
106.2359


 25.0399, 9.6332,
29.4902


 117.1213, 70.3655,
136.4145


 16.2356, 5.1564,
19.2032


 147.7072, 92.8725,
171.8270

 9.7830, 2.3393,
11.6389

 183.2021,
119.7299, 212.8921

 5.3164, 0.7944,
6.3787

 223.9714,
151.3221, 260.0281

 2.4708, 0.0000,
3.0042

270.3803,

 0.8805, 0.0000,

188.0335, 313.6537

1.0968

322.7944,
230.2485, 374.1874

■ 0.0000, 0.0000,
0.0000

■ 51.1643, 25.1032,
59.9064

■ 51.1643, 25.1032,
59.9064

■ 51.1634, 25.1029,
59.9004

■ 52.0939, 26.0400,
63.0585

■ 53.4943, 27.8913,
66.4523

■ 55.5055, 30.9367,
70.1352

■ 58.2126, 35.3457,
74.1363

■ 61.6867, 41.2605,
78.4801

■ 65.9900, 48.8054,
83.1879

■ 71.1785, 58.0919,
88.2790

■ 77.3030, 69.2216,
93.7712

■ 84.4105, 82.2882,
99.6806

Harmonies

Analogous

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



40.3043, 25.1032, 116.3847



51.1643, 25.1032, 59.9064



53.7050, 25.1032, 19.7263

Triad

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



51.1643, 25.1032, 59.9064



21.0302, 25.1032, 0.0442



10.1333, 25.1032, 88.1392

Complementary

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



51.1643, 25.1032, 59.9064



35.3254, 69.8272, 14.3111

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.



7.8199, 25.1032, 36.6803



51.1643, 25.1032, 59.9064



12.6354, 25.1032, 1.4901

Square

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



51.1643, 25.1032, 59.9064



33.4839, 25.1032, 0.5073



8.5565, 25.1032, 9.4172



16.2830, 25.1032, 140.0162

Rectangle

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



51.1643, 25.1032, 59.9064



49.7702, 25.1032, 7.0874



8.5565, 25.1032, 9.4172



8.9907, 25.1032, 69.1087

Sweetspot

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



51.1652, 25.1045, 59.9068



73.0968, 59.6348, 90.6652



18.7091, 7.6160, 92.5799



15.1403, 11.8554, 18.9234



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.



51.1652, 25.1045, 59.9068



52.5552, 25.7861, 61.5150



41.5876, 21.2735, 9.4720



17.8460, 17.4658, 21.0448



26.7030, 13.0969, 31.4739



2.5079, 1.2269, 3.0978

Inverse Universe

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



51.1652, 25.1045, 59.9068



52.5552, 25.7861, 61.5150



42.2785, 72.6084, 50.9257



17.8460, 17.4658, 21.0448



26.7030, 13.0969, 31.4739



2.5079, 1.2269, 3.0978

Previews

White Background



This preview shows how the XYZ color 51.1643, 25.1032, 59.9064 looks on a white background.

Color Contrast Check

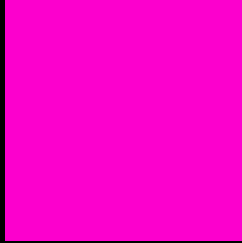
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.1643, 25.1032, 59.9064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

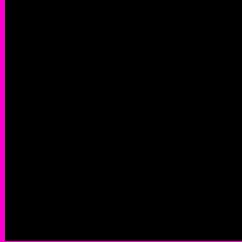
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.1643, 25.1032, 59.9064

Background



This preview shows how black text looks on a background with the XYZ color 51.1643, 25.1032, 59.9064.



This preview shows how white text looks on a background with the XYZ color 51.1643, 25.1032,

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

51.1643, 25.1032, 59.9064

Protanopia

29.6945, 26.0844, 98.0775

Deuteranopia

26.3452, 25.7620, 53.4532



Tritanopia

41.2001, 25.4180, 11.3290

Trichromacy



Original Color

51.1643, 25.1032, 59.9064



Protanomaly

29.4291, 18.3455, 82.1107



Deuteranomaly

29.8484, 19.2826, 54.9721



Tritanomaly

43.1965, 23.6338, 23.0539

Monochromacy



Original Color

51.1643, 25.1032, 59.9064



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

19.8825, 12.3586, 25.3823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1643, 25.1032, 59.9064 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(252, 0, 205)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 205)  
}
```

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(252, 0, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 205) }
```

Border

The CSS property to change the border of an element to XYZ 51.1643, 25.1032, 59.9064 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(252, 0, 205) }
```


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

```
.border{ border-color:rgb(252, 0, 205) }
```

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

Here you see how a box with a 4 pixel rgb(252, 0, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 205);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1643, 25.1032, 59.9064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 205) }
```

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

```
.background{ background-color: rgb(252, 0,  
205) }
```

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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