

Converting Colors

XYZ(51.8069, 25.4672, 62.1653)

Have a look what the booklet for
XYZ(51.8069, 25.4672, 62.1653)
contains.

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Color

**XYZ(51.5843, 25.3581,
61.8503)**

Conversions

Conversions Part 1

Format	Color
Hex	FC05D0
RGB	252, 5, 208
RGB Percent	99%, 2%, 82%
CMY	0.0118, 0.9802, 0.1843
CMYK	0.00, 0.98, 0.17, 0.01
HSL	311°, 98%, 50%
HSV	311°, 98%, 99%
XYZ	51.5843, 25.3581, 61.8503
YIQ	101.9950, 82.0490, 115.4970

Conversions

Conversions Part 2

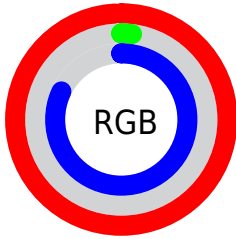
Format	Color
R _Y B	252, 5, 208
Decimal	16516560
CIE Lab	57.42, 91.37, -39.05
CIE LCh	57, 99.363, 336.861
Yxy	25.3581, 0.3717, 0.1827
Android (android.graphics.Color)	4294706640 (0xFFFC05D0)
YUV	101.9950, 52.2605, 131.5544
Hunter-Lab	50.3568, 94.7266, -37.5726

Details

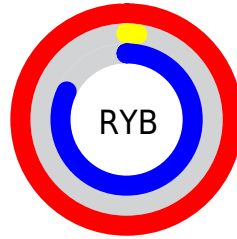
The XYZ color **51.5843, 25.3581, 61.8503** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **35.4295, 69.8760, 14.5321**, and the grayscale version is **12.4895, 13.1399, 14.3093**.

A 20% lighter version of the original color is **64.1402, 38.1805, 98.5967**, and **26.9850, 13.2471, 31.2717** is the 20% darker color. If you saturate the color by 10%, you get **51.4197, 25.2054, 61.2502**, and if you desaturate by 10%, it is **52.5615, 26.4154, 64.9406**.

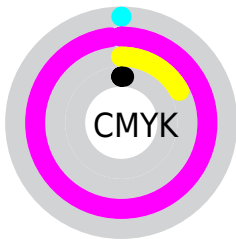
Distribution



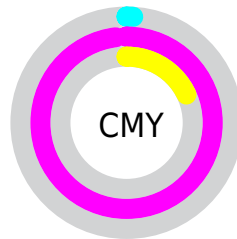
- Red (99%)
- Green (2%)
- Blue (82%)



- Red (99%)
- Yellow (2%)
- Blue (82%)



- Cyan (0%)
- Magenta (98%)
- Yellow (17%)
- Black (1%)





- Cyan (1%)
- Magenta (98%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5843, 25.3581, 61.8503 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 51.5843, 25.3581, 61.8503 by changing the saturation by 10% instead.

 51.5843, 25.3581,
61.8503


 51.5843, 25.3581,
61.8503


383.1800,
279.6166, 449.3774


 36.8968, 16.3441,
44.4767


 91.6957, 52.2376,
109.0786


 25.3009, 9.7679,
30.7055


 117.8504, 70.8718,
139.7705


 16.4313, 5.2454,
20.1181


 148.5581, 93.4815,
175.7389

 9.9226, 2.3919,
12.2960

 184.1842,
120.4511, 217.4023

 5.4096, 0.8217,
6.8206

 225.0941,
152.1651, 265.1793

 2.5267, 0.0000,
3.2734

271.6531,

 0.9088, 0.0000,

189.0077, 319.4885

1.2359

324.2266,
231.3634, 380.7483

■ 0.0000, 0.0000,
0.0084

■ 0.0000, 0.0000,
0.0000

■ 51.5843, 25.3581,
61.8503

■ 51.5843, 25.3581,
61.8503

■ 51.4197, 25.2054,
61.2502

■ 52.5615, 26.4154,
64.9406

■ 54.0549, 28.4803,
68.2806

■ 56.1761, 31.7751,
71.9083

■ 59.0065, 36.4630,
75.8514

62.6154, 42.6820,
80.1336

67.0636, 50.5536,
84.7758

72.4059, 60.1870,
89.7968

78.6921, 71.6821,
95.2139

85.9687, 85.1313,
101.0429

Harmonies

Analogous

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



40.4460, 25.3581, 119.1360



51.5843, 25.3581, 61.8503



54.3970, 25.3581, 20.5495

Triad

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



51.5843, 25.3581, 61.8503



21.4907, 25.3581, 0.0247



10.1193, 25.3581, 87.8576

Complementary

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



51.5843, 25.3581, 61.8503



35.4295, 69.8760, 14.5321

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.



7.8588, 25.3581, 36.1283



51.5843, 25.3581, 61.8503



12.8878, 25.3581, 1.4213

Square

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



51.5843, 25.3581, 61.8503



34.1690, 25.3581, 0.5338



8.6736, 25.3581, 9.1319



16.2365, 25.3581, 140.9289

Rectangle

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



51.5843, 25.3581, 61.8503



50.5564, 25.3581, 7.4213



8.6736, 25.3581, 9.1319



8.9927, 25.3581, 68.6357

Sweetspot

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



51.5852, 25.3594, 61.8508



73.7746, 60.7283, 91.6990



18.7620, 7.7239, 92.5979



15.2736, 12.0631, 19.1494



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.



51.5852, 25.3594, 61.8508



52.8186, 25.8915, 62.9023



41.9355, 21.4995, 11.0361



17.8525, 17.4684, 21.0791



26.8348, 13.1497, 32.1683



2.5189, 1.2313, 3.1560

Inverse Universe

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



51.5852, 25.3594, 61.8508



52.8186, 25.8915, 62.9023



42.0999, 72.5442, 49.6582



17.8525, 17.4684, 21.0791



26.8348, 13.1497, 32.1683



2.5189, 1.2313, 3.1560

Previews

White Background



This preview shows how the XYZ color 51.5843, 25.3581, 61.8503 looks on a white background.

Color Contrast Check

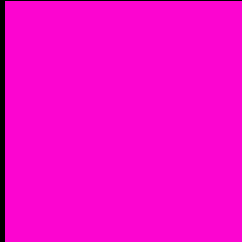
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.5843, 25.3581, 61.8503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

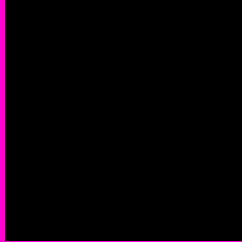
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.5843, 25.3581, 61.8503

Background



This preview shows how black text looks on a background with the XYZ color 51.5843, 25.3581, 61.8503.



This preview shows how white text looks on a background with the XYZ color 51.5843, 25.3581,

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

51.5843, 25.3581, 61.8503

Protanopia

29.7745, 26.1257, 98.0812

Deuteranopia

26.4037, 25.7534, 55.2090



Tritanopia

41.3555, 25.6000, 11.7784

Trichromacy



Original Color

51.5843, 25.3581, 61.8503



Protanomaly

29.9068, 18.8152, 82.9444



Deuteranomaly

29.9341, 19.5304, 56.8356



Tritanomaly

43.4219, 23.8699, 23.7915

Monochromacy



Original Color

51.5843, 25.3581, 61.8503



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

20.7195, 13.1055, 26.6369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5843, 25.3581, 61.8503 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, 5, 208)` looks like.

```
.text, #text, p{  
  color:rgb(252, 5, 208)  
}
```

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, 5, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 5, 208) }
```

Border

The CSS property to change the border of an element to XYZ 51.5843, 25.3581, 61.8503 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, 5, 208) }
```


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

```
.border{ border-color:rgb(252, 5, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 5, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 5, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 5, 208);  
box-shadow:4px 4px 4px 4px rgb(252, 5,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5843, 25.3581, 61.8503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 5, 208) }
```

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

```
.background{ background-color: rgb(252, 5,  
208) }
```

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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