

Converting Colors

XYZ(50.6834, 24.9297, 56.5205)

Have a look what the booklet for
XYZ(50.6834, 24.9297, 56.5205)
contains.

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Color

**XYZ(50.5702, 24.8656,
56.7778)**

Conversions

Conversions Part 1

Format	Color
Hex	FC00C8
RGB	252, 0, 200
RGB Percent	99%, 0%, 78%
CMY	0.0118, 0.9998, 0.2157
CMYK	0.00, 1.00, 0.21, 0.01
HSL	312°, 100%, 49%
HSV	312°, 100%, 99%
XYZ	50.5702, 24.8656, 56.7778
YIQ	98.1480, 85.9920, 115.6240

Conversions

Conversions Part 2

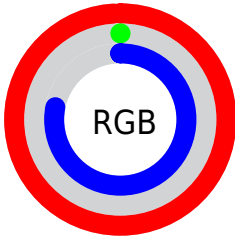
Format	Color
R_{YB}	252, 0, 200
Decimal	16515272
CIE _{Lab}	56.94, 90.74, -35.21
CIE _{LCh}	57, 97.334, 338.791
Yxy	24.8656, 0.3825, 0.1881
Android (android.graphics.Color)	4294705352 (0xFFFC00C8)
YUV	98.1480, 50.2130, 134.9282
Hunter-Lab	49.8654, 93.7584, -32.6030

Details

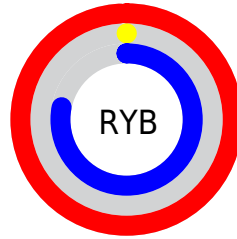
The XYZ color **50.5702, 24.8656, 56.7778** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **35.4324, 69.8699, 14.8742**, and the grayscale version is **11.5183, 12.1182, 13.1967**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **26.4235, 13.0225, 28.3150** is the 20% darker color. If you saturate the color by 10%, you get **50.5691, 24.8652, 56.7709**, and if you desaturate by 10%, it is **51.5420, 25.8193, 60.1523**.

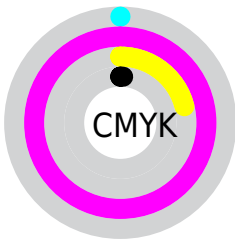
Distribution



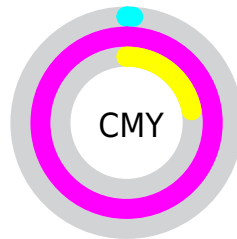
- Red (99%)
- Green (0%)
- Blue (78%)



- Red (99%)
- Yellow (0%)
- Blue (78%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5702, 24.8656, 56.7778 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 50.5702, 24.8656, 56.7778 by changing the saturation by 10% instead.


 50.5702, 24.8656,
56.7778

 50.5702, 24.8656,
56.7778

379.3068,
277.1680, 430.0866

 36.0863, 15.9770,
40.4187


 90.2059, 51.4391,
101.6380


 24.6713, 9.5078,
27.5489


 116.0885, 69.8927,
130.9762


 15.9597, 5.0739,
17.7498


 146.5013, 92.3035,
165.4778

 9.5863, 2.2907,
10.6029

 181.8097,
119.0558, 205.5614

 5.1857, 0.7688,
5.6897

 222.3791,
150.5340, 251.6456

 2.3925, 0.0000,
2.5916

268.5749,

 0.8414, 0.0000,

187.1225, 304.1488

0.8881

320.7623,
229.2057, 363.4896

■ 0.0000, 0.0000,
0.0000

■ 50.5702, 24.8656,
56.7778

■ 50.5702, 24.8656,
56.7778

■ 50.5691, 24.8652,
56.7709

■ 51.5420, 25.8193,
60.1523

■ 52.9884, 27.6892,
63.7879

■ 55.0494, 30.7546,
67.7324

■ 57.8100, 35.1851,
72.0150

■ 61.3415, 41.1230,
76.6605

■ 65.7061, 48.6927,
81.6905

■ 70.9598, 58.0054,
87.1247

■ 77.1535, 69.1630,
92.9808

■ 84.3343, 82.2590,
99.2755

Harmonies

Analogous

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



40.2239, 24.8656, 111.5702



50.5702, 24.8656, 56.7778



52.6384, 24.8656, 18.5591

Triad

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



50.5702, 24.8656, 56.7778



20.4358, 24.8656, 0.1391



10.3219, 24.8656, 88.6351

Complementary

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



50.5702, 24.8656, 56.7778



35.4324, 69.8699, 14.8742

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.



7.9020, 24.8656, 37.8621



50.5702, 24.8656, 56.7778



12.3777, 24.8656, 1.6911

Square

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



50.5702, 24.8656, 56.7778



32.4973, 24.8656, 0.5201



8.5089, 24.8656, 10.1059



16.5494, 24.8656, 138.1292

Rectangle

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



50.5702, 24.8656, 56.7778



48.5608, 24.8656, 6.6822



8.5089, 24.8656, 10.1059



9.1448, 24.8656, 70.0353

Sweetspot

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



50.5711, 24.8669, 56.7782



72.8712, 59.5446, 89.4772



18.9088, 7.7190, 92.5892



15.0859, 11.8336, 18.6368



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.



50.5711, 24.8669, 56.7782



51.9445, 25.5418, 58.2989



41.4377, 21.2136, 8.6826



17.8305, 17.4596, 20.9634



26.3971, 12.9746, 29.8631



2.4821, 1.2166, 2.9622

Inverse Universe

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



50.5711, 24.8669, 56.7782



51.9445, 25.5418, 58.2989



42.6891, 72.7726, 53.0876



17.8305, 17.4596, 20.9634



26.3971, 12.9746, 29.8631



2.4821, 1.2166, 2.9622

Previews

White Background



This preview shows how the XYZ color 50.5702, 24.8656, 56.7778 looks on a white background.

Color Contrast Check

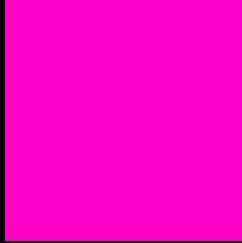
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.5702, 24.8656, 56.7778 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 50.5702, 24.8656, 56.7778

Background



This preview shows how black text looks on a background with the XYZ color 50.5702, 24.8656, 56.7778.



This preview shows how white text looks on a background with the XYZ color 50.5702, 24.8656,

56.7778.

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

50.5702, 24.8656, 56.7778

Protanopia

29.3991, 25.7260, 98.0239

Deuteranopia

25.9422, 25.4071, 50.5505



Tritanopia

40.9753, 25.0937, 10.8676

Trichromacy



Original Color

50.5702, 24.8656, 56.7778



Protanomaly

28.8914, 17.9841, 80.5458



Deuteranomaly

29.5002, 19.1682, 52.0142



Tritanomaly

42.9125, 23.3804, 21.9898

Monochromacy



Original Color

50.5702, 24.8656, 56.7778



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

19.4222, 12.0645, 24.2267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5702, 24.8656, 56.7778 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 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(252, 0, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 200) }
```

Border

The CSS property to change the border of an element to XYZ 50.5702, 24.8656, 56.7778 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, 200) }
```


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

```
.border{ border-color:rgb(252, 0, 200) }
```

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, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 200);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5702, 24.8656, 56.7778 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, 200) }
```

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

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