

Converting Colors

XYZ(50.5770, 24.8872, 55.9620)

Have a look what the booklet for
XYZ(50.5770, 24.8872, 55.9620)
contains.

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Color

**XYZ(50.4537, 24.8190,
56.1642)**

Conversions

Conversions Part 1

Format	Color
Hex	FC00C7
RGB	252, 0, 199
RGB Percent	99%, 0%, 78%
CMY	0.0118, 0.9998, 0.2196
CMYK	0.00, 1.00, 0.21, 0.01
HSL	313°, 100%, 49%
HSV	313°, 100%, 99%
XYZ	50.4537, 24.8190, 56.1642
YIQ	98.0340, 86.3130, 115.3130

Conversions

Conversions Part 2

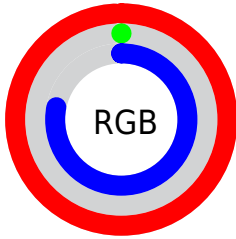
Format	Color
R _Y B	252, 0, 199
Decimal	16515271
CIE Lab	56.90, 90.63, -34.71
CIE LCh	57, 97.046, 339.043
Yxy	24.8190, 0.3839, 0.1888
Android (android.graphics.Color)	4294705351 (0xFFFC00C7)
YUV	98.0340, 49.7762, 135.0282
Hunter-Lab	49.8187, 93.5926, -31.9688

Details

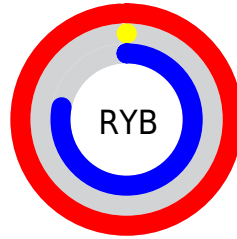
The XYZ color **50.4537, 24.8190, 56.1642** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **35.4552, 69.8791, 14.9943**, and the grayscale version is **11.4911, 12.0895, 13.1655**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **26.3460, 12.9915, 27.9071** is the 20% darker color. If you saturate the color by 10%, you get **50.4526, 24.8185, 56.1572**, and if you desaturate by 10%, it is **51.4335, 25.7759, 59.5810**.

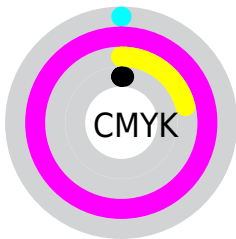
Distribution



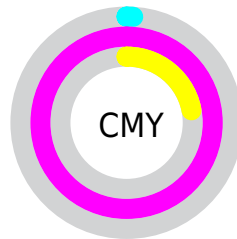
- Red (99%)
- Green (0%)
- Blue (78%)



- 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 50.4537, 24.8190, 56.1642 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 50.4537, 24.8190, 56.1642 by changing the saturation by 10% instead.

 50.4537, 24.8190,
56.1642

 50.4537, 24.8190,
56.1642

378.8603,
276.9353, 427.7157


 35.9933, 15.9423,
39.9297

 90.0345, 51.3634,
100.7328


 24.5991, 9.4833,
27.1704


 115.8857, 69.7999,
129.9040


 15.9058, 5.0577,
17.4677


 146.2645, 92.1918,
164.2245

 9.5479, 2.2812,
10.4030

 181.5362,
118.9234, 204.1129

 5.1602, 0.7637,
5.5579

 222.0664,
150.3791, 249.9876

 2.3773, 0.0000,
2.5138

268.2202,

 0.8338, 0.0000,

186.9435, 302.2673

0.8474

320.3630,
229.0007, 361.3705

■ 0.0000, 0.0000,
0.0000

■ 50.4537, 24.8190,
56.1642

■ 50.4537, 24.8190,
56.1642

■ 50.4526, 24.8185,
56.1572

■ 51.4335, 25.7759,
59.5810

■ 52.8887, 27.6493,
63.2630

■ 54.9593, 30.7186,
67.2579

■ 57.7303, 35.1532,
71.5953

■ 61.2730, 41.0956,
76.2997

■ 65.6497, 48.6701,
81.3931

■ 70.9162, 57.9880,
86.8949

■ 77.1236, 69.1510,
92.8232

■ 84.3189, 82.2529,
99.1945

Harmonies

Analogous

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



40.2097, 24.8190, 110.6234



50.4537, 24.8190, 56.1642



52.4280, 24.8190, 18.3306

Triad

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



50.4537, 24.8190, 56.1642



20.3183, 24.8190, 0.1581



10.3605, 24.8190, 88.7400

Complementary

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



50.4537, 24.8190, 56.1642



35.4552, 69.8791, 14.9943

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.



7.9188, 24.8190, 38.1049



50.4537, 24.8190, 56.1642



12.3267, 24.8190, 1.7336

Square

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



50.4537, 24.8190, 56.1642



32.3025, 24.8190, 0.5226



8.4996, 24.8190, 10.2488



16.6040, 24.8190, 137.7593

Rectangle

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



50.4537, 24.8190, 56.1642



48.3221, 24.8190, 6.6026



8.4996, 24.8190, 10.2488



9.1764, 24.8190, 70.2265

Sweetspot

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



50.4545, 24.8203, 56.1646



72.8263, 59.5266, 89.2409



18.9088, 7.7190, 92.5892



15.0750, 11.8293, 18.5798



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.



50.4545, 24.8203, 56.1646



51.8247, 25.4939, 57.6682



41.4377, 21.2136, 8.6826



17.8275, 17.4583, 20.9472



26.3371, 12.9506, 29.5471



2.4771, 1.2146, 2.9356

Inverse Universe

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



50.4545, 24.8203, 56.1646



51.8247, 25.4939, 57.6682



42.6891, 72.7727, 53.0877



17.8275, 17.4583, 20.9472



26.3371, 12.9506, 29.5471



2.4771, 1.2146, 2.9356

Previews

White Background



This preview shows how the XYZ color 50.4537, 24.8190, 56.1642 looks on a white background.

Color Contrast Check

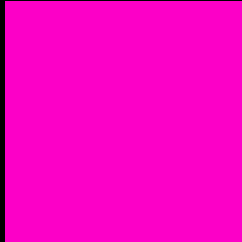
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.4537, 24.8190, 56.1642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

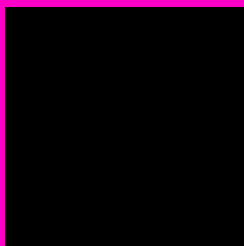
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.4537, 24.8190, 56.1642

Background



This preview shows how black text looks on a background with the XYZ color 50.4537, 24.8190, 56.1642.



This preview shows how white text looks on a background with the XYZ color 50.4537, 24.8190,

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

50.4537, 24.8190, 56.1642

Protanopia

29.3991, 25.7260, 98.0239

Deuteranopia

25.9793, 25.4386, 49.9953



Tritanopia

41.2479, 25.1280, 10.8598

Trichromacy



Original Color

50.4537, 24.8190, 56.1642



Protanomaly

28.8914, 17.9841, 80.5458



Deuteranomaly

29.6068, 19.2359, 51.4427



Tritanomaly

42.8483, 23.3547, 21.6516

Monochromacy



Original Color

50.4537, 24.8190, 56.1642



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 50.4537, 24.8190, 56.1642 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 199) }
```

Border

The CSS property to change the border of an element to XYZ 50.4537, 24.8190, 56.1642 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, 199) }
```


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

```
.border{ border-color:rgb(252, 0, 199) }
```

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, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 199);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4537, 24.8190, 56.1642 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, 199) }
```

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

```
.background{ background-color: rgb(252, 0,  
199) }
```

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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