

Converting Colors

XYZ(50.4704, 25.5257, 48.7945)

Have a look what the booklet for XYZ(50.4704, 25.5257, 48.7945) contains.

XYZ(50.4723, 25.5440, 48.7247)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.4723, 25.5440,
48.7247)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1ABA
RGB	255, 26, 186
RGB Percent	100%, 10%, 73%
CMY	0.0000, 0.8979, 0.2706
CMYK	0.00, 0.90, 0.27, 0.00
HSL	318°, 100%, 55%
HSV	318°, 90%, 100%
XYZ	50.4723, 25.5440, 48.7247
YIQ	112.7110, 85.1240, 98.3080

Conversions

Conversions Part 2

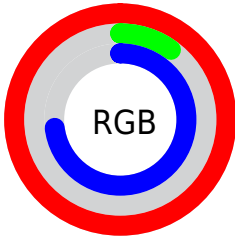
Format	Color
R _Y B	255, 26, 186
Decimal	16718522
CIE _{Lab}	57.60, 87.65, -26.08
CIE _{LCh}	58, 91.443, 343.430
Yxy	25.5440, 0.4046, 0.2048
Android (android.graphics.Color)	4294908602 (0xFFFF1ABA)
YUV	112.7110, 36.1315, 124.7875
Hunter-Lab	50.5411, 89.8102, -21.7805

Details

The XYZ color **50.4723, 25.5440, 48.7247** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **38.2537, 72.5668, 22.8244**, and the grayscale version is **15.4944, 16.3013, 17.7521**.

A 20% lighter version of the original color is **62.6296, 38.3959, 88.1146**, and **26.2260, 13.0309, 23.3233** is the 20% darker color. If you saturate the color by 10%, you get **49.3134, 24.4986, 44.4156**, and if you desaturate by 10%, it is **52.1494, 27.5552, 53.4237**.

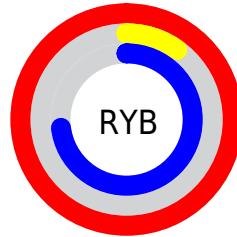
Distribution



Red (100%)

Green (10%)

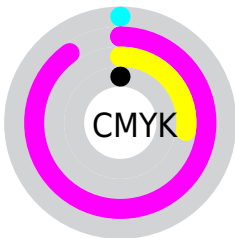
Blue (73%)



Red (100%)

Yellow (10%)

Blue (73%)

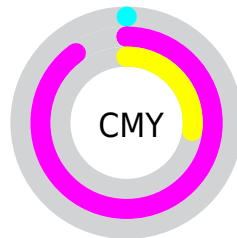


Cyan (0%)

Magenta (90%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (90%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4723, 25.5440, 48.7247 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 50.4723, 25.5440, 48.7247 by changing the saturation by 10% instead.


 50.4723, 25.5440,
48.7247


 50.4723, 25.5440,
48.7247

378.9316,
280.5364, 398.2488


 36.0082, 16.4828,
34.0371

 90.0619, 52.5384,
89.6592


 24.6106, 9.8664,
22.6445


 115.9181, 71.2404,
116.7431


 15.9144, 5.3105,
14.1284


 146.3023, 93.9248,
148.7963

 9.5541, 2.4306,
8.0703

 181.5799,
120.9759, 186.2372

 5.1643, 0.8416,
4.0515

 222.1163,
152.7783, 229.4843

 2.3797, 0.0000,
1.6536

268.2768,

 0.8350, 0.0000,

189.7162, 278.9563

0.3287

320.4268,
232.1741, 335.0716

■ 0.0000, 0.0000,
0.0000

■ 50.4723, 25.5440,
48.7247

■ 50.4723, 25.5440,
48.7247

■ 49.3134, 24.4986,
44.4156

■ 52.1494, 27.5552,
53.4237

■ 49.2916, 24.4806,
44.3289

■ 54.4822, 30.8065,
58.5611

■ 57.5590, 35.4735,
64.1698

■ 61.4535, 41.7025,
70.2776

■ 66.2303, 49.6214,
76.9089

■ 71.9470, 59.3449,
84.0862

■ 78.6564, 70.9774,
91.8299

■ 86.4074, 84.6156,
100.1593

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



41.7606, 25.5440, 98.3122



50.4723, 25.5440, 48.7247



50.9587, 25.5440, 16.0549

Triad

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



50.4723, 25.5440, 48.7247



19.7218, 25.5440, 0.7251



12.0013, 25.5440, 93.0061

Complementary

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



50.4723, 25.5440, 48.7247



38.2537, 72.5668, 22.8244

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.



9.0486, 25.5440, 44.2458



50.4723, 25.5440, 48.7247



12.5169, 25.5440, 3.0129

Square

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



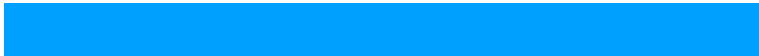
50.4723, 25.5440, 48.7247



30.7715, 25.5440, 0.8157



9.2037, 25.5440, 13.9487



18.7703, 25.5440, 134.4082

Rectangle

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



50.4723, 25.5440, 48.7247



46.3522, 25.5440, 6.0984



9.2037, 25.5440, 13.9487



10.6347, 25.5440, 75.8282

Sweetspot

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



50.4731, 25.5453, 48.7251



73.7181, 62.3961, 86.1902



23.1105, 10.3782, 95.3929



15.3173, 12.5610, 17.8988



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.



50.4731, 25.5453, 48.7251



49.2916, 24.4806, 44.3289



42.7741, 22.4658, 8.1828



18.5458, 18.2016, 21.4913



25.8252, 12.8194, 23.5277



2.5630, 1.2676, 2.5459

Inverse Universe

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



50.4731, 25.5453, 48.7251



49.2916, 24.4806, 44.3289



47.7210, 76.3537, 72.6781



18.5458, 18.2016, 21.4913



25.8252, 12.8194, 23.5277



2.5630, 1.2676, 2.5459

Previews

White Background



This preview shows how the XYZ color 50.4723, 25.5440, 48.7247 looks on a white background.

Color Contrast Check

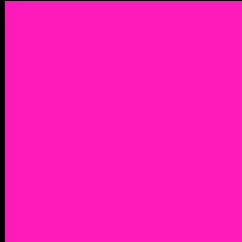
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.4723, 25.5440, 48.7247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

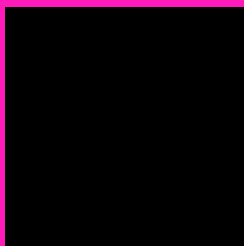
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.4723, 25.5440, 48.7247

Background



This preview shows how black text looks on a background with the XYZ color 50.4723, 25.5440, 48.7247.



This preview shows how white text looks on a background with the XYZ color 50.4723, 25.5440,

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

50.4723, 25.5440, 48.7247

Protanopia

29.8559, 26.1676, 98.0850

Deuteranopia

26.2757, 25.7326, 43.6264



Tritanopia

42.3902, 25.5222, 10.2815

Trichromacy



Original Color

50.4723, 25.5440, 48.7247



Protanomaly

29.5305, 19.6484, 77.0990



Deuteranomaly

30.5788, 21.0451, 44.5699



Tritanomaly

44.2672, 24.6820, 19.8837

Monochromacy



Original Color

50.4723, 25.5440, 48.7247



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

23.1931, 15.7776, 26.6339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4723, 25.5440, 48.7247 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(255, 26, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 186)  
}
```

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(255, 26, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 186) }
```

Border

The CSS property to change the border of an element to XYZ 50.4723, 25.5440, 48.7247 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(255, 26, 186) }
```


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

```
.border{ border-color:rgb(255, 26, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 26, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4723, 25.5440, 48.7247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 186) }
```

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

```
.background{ background-color: rgb(255, 26,  
186) }
```

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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