

Converting Colors

XYZ(45.8143, 24.2317, 58.7990)

Have a look what the booklet for
XYZ(45.8143, 24.2317, 58.7990)
contains.

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Color

**XYZ(45.9843, 24.3504,
58.7764)**

Conversions

Conversions Part 1

Format	Color
Hex	EA35CB
RGB	234, 53, 203
RGB Percent	92%, 21%, 80%
CMY	0.0823, 0.7921, 0.2039
CMYK	0.00, 0.77, 0.13, 0.08
HSL	310°, 81%, 56%
HSV	310°, 77%, 92%
XYZ	45.9843, 24.3504, 58.7764
YIQ	124.2190, 59.7260, 85.0220

Conversions

Conversions Part 2

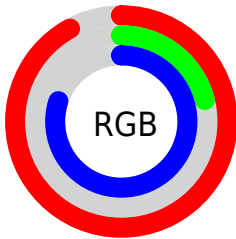
Format	Color
R_{YB}	234, 53, 203
Decimal	15349195
CIE _{Lab}	56.44, 80.29, -37.95
CIE _{LCh}	56, 88.810, 334.699
Yxy	24.3504, 0.3562, 0.1886
Android (android.graphics.Color)	4293539275 (0xFFEA35CB)
YUV	124.2190, 38.8390, 96.2779
Hunter-Lab	49.3461, 79.9835, -36.0783

Details

The XYZ color **45.9843, 24.3504, 58.7764** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **32.4926, 60.2437, 18.3055**, and the grayscale version is **19.0936, 20.0880, 21.8758**.

A 20% lighter version of the original color is **65.8868, 41.6737, 99.1789**, and **22.8009, 11.1368, 28.9648** is the 20% darker color. If you saturate the color by 10%, you get **44.6944, 22.5247, 56.0203**, and if you desaturate by 10%, it is **47.8084, 27.2237, 61.7719**.

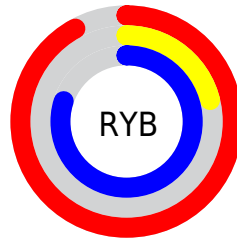
Distribution



Red (92%)

Green (21%)

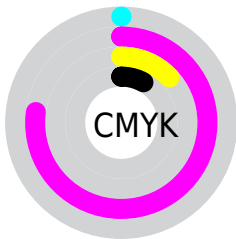
Blue (80%)



Red (92%)

Yellow (21%)

Blue (80%)

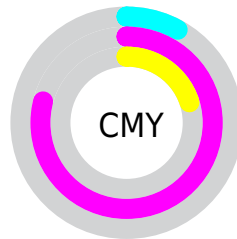


Cyan (0%)

Magenta (77%)

Yellow (13%)

Black (8%)



Cyan (8%)


Magenta (79%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9843, 24.3504, 58.7764 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 45.9843, 24.3504, 58.7764 by changing the saturation by 10% instead.

 45.9843, 24.3504,
58.7764


 45.9843, 24.3504,
58.7764

361.4625,
274.5872, 437.7516

 32.4380, 15.5938,
42.0143


 83.4235, 50.6014,
104.5785


 21.8534, 9.2371,
28.7869


 108.0471, 68.8645,
134.4557


 13.8652, 4.8962,
18.6754


 137.0939, 91.0653,
169.5416

 8.1081, 2.1865,
11.2616

 170.9292,
117.5881, 210.2548

 4.2166, 0.7126,
6.1267

 209.9183,
148.8173, 257.0139

 1.8254, 0.0000,
2.8522

254.4267,

 0.5329, 0.0000,

185.1373, 310.2373

1.0197

304.8196,
226.9324, 370.3437

■ 0.0000, 0.0000,
0.0000

■ 45.9843, 24.3504,
58.7764

■ 45.9843, 24.3504,
58.7764

■ 44.6944, 22.5247,
56.0203

■ 47.8084, 27.2237,
61.7719

■ 43.8480, 21.5668,
53.4723

■ 50.2310, 31.2747,
65.0281

■ 43.6607, 21.3841,
52.8186

■ 53.3101, 36.6185,
68.5649

■ 57.0959, 43.3555,
72.3995

■ 61.6336, 51.5762,
76.5475

66.9649, 61.3634,
81.0232

73.1281, 72.7939,
85.8397

80.1592, 85.9394,
91.0095

85.2828, 95.2489,
95.6078

Harmonies

Analogous

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



36.3056, 24.3504, 105.4995



45.9843, 24.3504, 58.7764



48.9344, 24.3504, 22.1446

Triad

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



45.9843, 24.3504, 58.7764



21.5638, 24.3504, 0.6148



10.4084, 24.3504, 73.5041

Complementary

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



45.9843, 24.3504, 58.7764



32.4926, 60.2437, 18.3055

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.



8.5138, 24.3504, 31.4221



45.9843, 24.3504, 58.7764



13.6238, 24.3504, 1.9001

Square

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



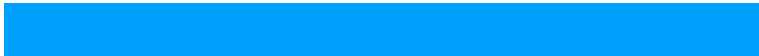
45.9843, 24.3504, 58.7764



32.6523, 24.3504, 1.2075



9.4873, 24.3504, 8.9428



15.6884, 24.3504, 117.5674

Rectangle

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



45.9843, 24.3504, 58.7764



46.1230, 24.3504, 9.2063



9.4873, 24.3504, 8.9428



9.4390, 24.3504, 57.8654

Sweetspot

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



45.9852, 24.3516, 58.7769



77.5334, 67.4877, 95.2896



19.7078, 10.3348, 78.7988



16.1118, 13.5601, 19.9814



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.



45.9852, 24.3516, 58.7769



53.6401, 26.5623, 66.1731



38.2055, 21.2397, 17.8096



15.5976, 15.2669, 18.4323



24.5760, 12.0331, 29.8980



1.9590, 0.9566, 2.5017

Inverse Universe

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



45.9852, 24.3516, 58.7769



53.6401, 26.5623, 66.1731



38.4998, 62.6466, 49.9393



15.5976, 15.2669, 18.4323



24.5760, 12.0331, 29.8980



1.9590, 0.9566, 2.5017

Previews

White Background



This preview shows how the XYZ color 45.9843, 24.3504, 58.7764 looks on a white background.

Color Contrast Check

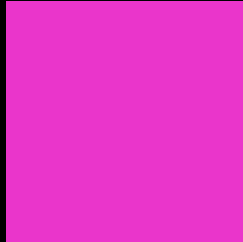
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.9843, 24.3504, 58.7764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

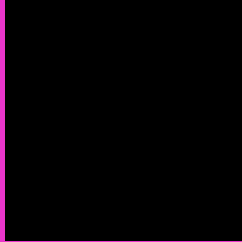
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.9843, 24.3504, 58.7764

Background



This preview shows how black text looks on a background with the XYZ color 45.9843, 24.3504, 58.7764.



This preview shows how white text looks on a background with the XYZ color 45.9843, 24.3504,

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

45.9843, 24.3504, 58.7764

Protanopia

28.7555, 24.9877, 97.9153

Deuteranopia

25.1098, 24.5008, 53.2749



Tritanopia

36.6392, 24.1925, 14.0478

Trichromacy



Original Color

45.9843, 24.3504, 58.7764



Protanomaly

29.0438, 20.4238, 81.7683



Deuteranomaly

29.1159, 21.3578, 54.8124



Tritanomaly

39.0927, 23.5793, 25.7834

Monochromacy



Original Color

45.9843, 24.3504, 58.7764



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

25.4273, 18.9278, 32.4503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9843, 24.3504, 58.7764 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(234, 53, 203)` looks like.

```
.text, #text, p{  
    color:rgb(234, 53, 203)  
}
```

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(234, 53, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 53, 203) }
```

Border

The CSS property to change the border of an element to XYZ 45.9843, 24.3504, 58.7764 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(234, 53, 203) }
```


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

```
.border{ border-color:rgb(234, 53, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 53, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 53, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 53, 203);  
box-shadow:4px 4px 4px 4px rgb(234, 53,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9843, 24.3504, 58.7764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 53, 203) }
```

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

```
.background{ background-color: rgb(234, 53,  
203) }
```

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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