

Converting Colors

XYZ(49.4491, 24.5437, 45.1587)

Have a look what the booklet for
XYZ(49.4491, 24.5437, 45.1587)
contains.

XYZ(49.4782, 24.5553, 45.3119)	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(49.4782, 24.5553,
45.3119)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00B4
RGB	255, 0, 180
RGB Percent	100%, 0%, 71%
CMY	0.0000, 0.9998, 0.2941
CMYK	0.00, 1.00, 0.29, 0.00
HSL	318°, 100%, 50%
HSV	318°, 100%, 100%
XYZ	49.4782, 24.5553, 45.3119
YIQ	96.7650, 94.2000, 110.0400

Conversions

Conversions Part 2

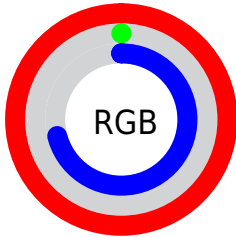
Format	Color
RYB	255, 0, 180
Decimal	16711860
CIELab	56.64, 89.12, -24.08
CIElCh	57, 92.312, 344.881
Yxy	24.5553, 0.4146, 0.2057
Android (android.graphics.Color)	4294901940 (0xFFFF00B4)
YUV	96.7650, 41.0349, 138.7721
Hunter-Lab	49.5533, 91.5112, -19.5279

Details

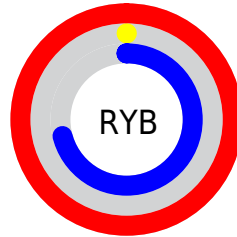
The XYZ color **49.4782, 24.5553, 45.3119** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **37.0328, 72.0292, 18.6187**, and the grayscale version is **11.1997, 11.7830, 12.8317**.

A 20% lighter version of the original color is **61.1317, 36.8189, 83.2416**, and **25.8231, 12.8698, 21.2018** is the 20% darker color. If you saturate the color by 10%, you get **49.4764, 24.5546, 45.3025**, and if you desaturate by 10%, it is **50.6233, 25.5889, 49.5671**.

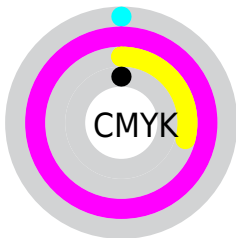
Distribution



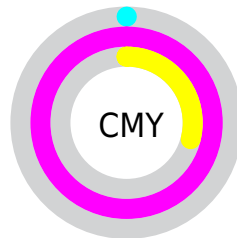
- Red (100%)
- Green (0%)
- Blue (71%)



- Red (100%)
- Yellow (0%)
- Blue (71%)



- Cyan (0%)
- Magenta (100%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4782, 24.5553, 45.3119 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 49.4782, 24.5553, 45.3119 by changing the saturation by 10% instead.


 49.4782, 24.5553,
45.3119


 49.4782, 24.5553,
45.3119

375.1077,
275.6160, 384.2322

 35.2151, 15.7461,
31.3584


 88.5977, 50.9349,
84.5117


 23.9959, 9.3446,
20.6112


 114.1848, 69.2740,
110.5950


 15.4553, 4.9666,
12.6516


 144.2773, 91.5585,
141.5588

 9.2279, 2.2277,
7.0612

 179.2405,
118.1728, 177.8215

 4.9484, 0.7350,
3.4214

 219.4398,
149.5013, 219.8016

 2.2515, 0.0000,
1.3136

265.2405,

 0.7697, 0.0000,

185.9284, 267.9177

0.0729

317.0080,
227.8385, 322.5884

■ 0.0000, 0.0000,
0.0000

■ 49.4782, 24.5553,
45.3119

■ 49.4782, 24.5553,
45.3119

■ 49.4764, 24.5546,
45.3025

■ 50.6233, 25.5889,
49.5671

■ 52.2773, 27.5733,
54.1989

■ 54.5839, 30.7948,
59.2586

■ 57.6311, 35.4282,
64.7784

■ 61.4927, 41.6203,
70.7859

66.2333, 49.4992,
77.3054

71.9107, 59.1798,
84.3590

78.5777, 70.7668,
91.9672

86.2830, 84.3568,
100.1488

Harmonies

Analogous

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



41.1463, 24.5553, 94.3168



49.4782, 24.5553, 45.3119



49.5150, 24.5553, 14.2465

Triad

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



49.4782, 24.5553, 45.3119



18.4290, 24.5553, 0.5899



11.5547, 24.5553, 93.9133

Complementary

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



49.4782, 24.5553, 45.3119



37.0328, 72.0292, 18.6187

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.



8.5330, 24.5553, 44.9742



49.4782, 24.5553, 45.3119



11.5928, 24.5553, 2.9149

Square

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



49.4782, 24.5553, 45.3119



29.1482, 24.5553, 0.5969



8.5444, 24.5553, 14.0906



18.3581, 24.5553, 134.0558

Rectangle

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



49.4782, 24.5553, 45.3119



44.6999, 24.5553, 5.1759



8.5444, 24.5553, 14.0906



10.1701, 24.5553, 76.7992

Sweetspot

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



49.4789, 24.5566, 45.3123



71.8960, 59.1545, 84.3415



20.7451, 8.6104, 95.1763



14.8514, 11.7398, 17.4019



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.



49.4789, 24.5566, 45.3123



49.4764, 24.5546, 45.3025



41.9374, 21.5400, 5.5992



18.5516, 18.2039, 21.5216



25.9210, 12.8577, 24.0324



2.5717, 1.2711, 2.5920

Inverse Universe

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



49.4789, 24.5566, 45.3123



49.4764, 24.5546, 45.3025



46.1584, 75.6795, 66.6734



18.5516, 18.2039, 21.5216



25.9210, 12.8577, 24.0324



2.5717, 1.2711, 2.5920

Previews

White Background



This preview shows how the XYZ color 49.4782, 24.5553, 45.3119 looks on a white background.

Color Contrast Check

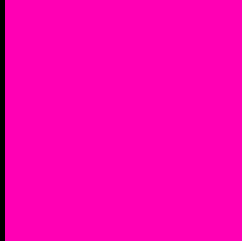
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.4782, 24.5553, 45.3119 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 49.4782, 24.5553, 45.3119

Background



This preview shows how black text looks on a background with the XYZ color 49.4782, 24.5553, 45.3119.



This preview shows how white text looks on a background with the XYZ color 49.4782, 24.5553,

45.3119.

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

49.4782, 24.5553, 45.3119

Protanopia

29.2616, 25.4509, 97.9780

Deuteranopia

25.5847, 25.0282, 40.5283



Tritanopia

42.2007, 24.9573, 9.0716

Trichromacy



Original Color

49.4782, 24.5553, 45.3119



Protanomaly

28.0673, 17.6739, 75.3309



Deuteranomaly

29.2853, 19.0593, 41.1650



Tritanomaly

43.7027, 23.5783, 17.8705

Monochromacy



Original Color

49.4782, 24.5553, 45.3119



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

18.8798, 11.8476, 21.3704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4782, 24.5553, 45.3119 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, 0, 180)` looks like.

```
.text, #text, p{  
  color:rgb(255, 0, 180)  
}
```

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, 0, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 180) }
```

Border

The CSS property to change the border of an element to XYZ 49.4782, 24.5553, 45.3119 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, 0, 180) }
```


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

```
.border{ border-color:rgb(255, 0, 180) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4782, 24.5553, 45.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 180) }
```

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

```
.background{ background-color: rgb(255, 0,  
180) }
```

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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