

Converting Colors

XYZ(45.2949, 22.6226, 64.8195)

Have a look what the booklet for
XYZ(45.2949, 22.6226, 64.8195)
contains.

XYZ(45.4046, 22.6718, 64.9338)	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(45.4046, 22.6718,
64.9338)**

Conversions

Conversions Part 1

Format	Color
Hex	E71DD5
RGB	231, 29, 213
RGB Percent	91%, 11%, 84%
CMY	0.0941, 0.8862, 0.1647
CMYK	0.00, 0.87, 0.08, 0.09
HSL	305°, 81%, 51%
HSV	305°, 87%, 91%
XYZ	45.4046, 22.6718, 64.9338
YIQ	110.3740, 61.3280, 100.0480

Conversions

Conversions Part 2

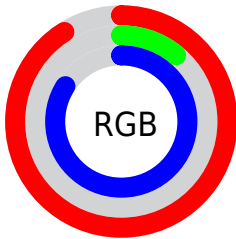
Format	Color
R _Y B	231, 29, 213
Decimal	15146453
CIE Lab	54.73, 85.98, -46.39
CIE LCh	55, 97.698, 331.650
Yxy	22.6718, 0.3414, 0.1705
Android (android.graphics.Color)	4293336533 (0xFFE71DD5)
YUV	110.3740, 50.5946, 105.7890
Hunter-Lab	47.6149, 86.8878, -47.5250

Details

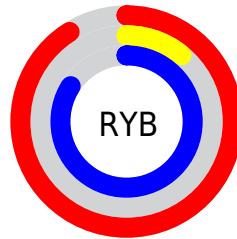
The XYZ color **45.4046, 22.6718, 64.9338** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **29.5969, 57.6193, 12.2532**, and the grayscale version is **14.7784, 15.5480, 16.9318**.

A 20% lighter version of the original color is **64.4440, 38.7881, 98.6980**, and **22.9661, 11.1265, 33.2849** is the 20% darker color. If you saturate the color by 10%, you get **44.7701, 21.8178, 63.4413**, and if you desaturate by 10%, it is **46.4620, 24.3651, 66.5839**.

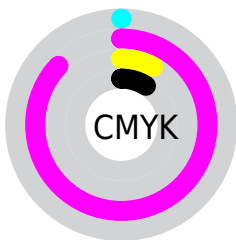
Distribution



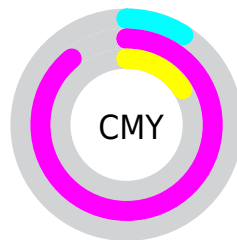
- Red (91%)
- Green (11%)
- Blue (84%)



- Red (91%)
- Yellow (11%)
- Blue (84%)



- Cyan (0%)
- Magenta (87%)
- Yellow (8%)
- Black (9%)





- Cyan (9%)
- Magenta (89%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4046, 22.6718, 64.9338 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 45.4046, 22.6718, 64.9338 by changing the saturation by 10% instead.

 45.4046, 22.6718,
64.9338


 45.4046, 22.6718,
64.9338


359.1659,
266.0348, 460.8537


 31.9789, 14.3514,
46.9564


 82.5606, 47.8539,
113.5670


 21.5008, 8.3654,
32.6471


 107.0215, 65.4843,
145.0600

 13.6051, 4.3297,
21.5873


 135.8915, 86.9868,
181.8951

 7.9264, 1.8596,
13.3586

 169.5361,
112.7458, 224.4911

 4.0993, 0.5239,
7.5423

 208.3204,
143.1457, 273.2664

 1.7585, 0.0000,
3.7200

252.6099,

 0.4924, 0.0000,

178.5709, 328.6396

1.4730

302.7700,
219.4058, 391.0292

■ 0.0000, 0.0000,
0.1977

■ 0.0000, 0.0000,
0.0000

■ 45.4046, 22.6718,
64.9338

■ 45.4046, 22.6718,
64.9338

■ 44.7701, 21.8178,
63.4413

■ 46.4620, 24.3651,
66.5839

■ 44.6399, 21.6629,
63.0722

■ 48.0261, 27.0670,
68.4192

■ 50.1624, 30.9082,
70.4617

■ 52.9264, 35.9992,
72.7300

■ 56.3665, 42.4371,
75.2403

■ 60.5267, 50.3099,
78.0072

■ 65.4472, 59.6976,
81.0443

■ 71.1651, 70.6748,
84.3640

■ 77.7151, 83.3109,
87.9779

Harmonies

Analogous

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



34.3492, 22.6718, 117.4606



45.4046, 22.6718, 64.9338



49.5967, 22.6718, 23.0164

Triad

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



45.4046, 22.6718, 64.9338



20.9578, 22.6718, 0.0000



8.2873, 22.6718, 70.7372

Complementary

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



45.4046, 22.6718, 64.9338



29.5969, 57.6193, 12.2532

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.



6.7664, 22.6718, 26.4339



45.4046, 22.6718, 64.9338



12.4041, 22.6718, 0.7830

Square

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



45.4046, 22.6718, 64.9338



32.9585, 22.6718, 0.5863



7.9759, 22.6718, 5.8716



13.1329, 22.6718, 122.3603

Rectangle

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



45.4046, 22.6718, 64.9338



47.1070, 22.6718, 8.6294



7.9759, 22.6718, 5.8716



7.4600, 22.6718, 53.6807

Sweetspot

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



45.4055, 22.6729, 64.9342



76.4863, 64.3715, 98.0909



15.9838, 7.2267, 76.1545



15.9514, 12.9805, 20.7261



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.



45.4055, 22.6729, 64.9342



55.8445, 27.1018, 78.8363



36.3859, 19.0651, 17.4377



14.9368, 14.5919, 17.8676



25.0494, 12.1540, 35.4847



1.8674, 0.9047, 2.7082

Inverse Universe

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



45.4055, 22.6729, 64.9342



55.8445, 27.1018, 78.8363



34.3375, 59.5155, 37.2167



14.9368, 14.5919, 17.8676



25.0494, 12.1540, 35.4847



1.8674, 0.9047, 2.7082

Previews

White Background



This preview shows how the XYZ color 45.4046, 22.6718, 64.9338 looks on a white background.

Color Contrast Check

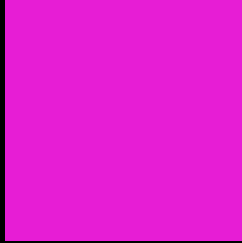
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.4046, 22.6718, 64.9338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

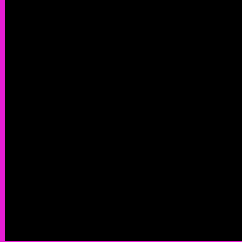
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.4046, 22.6718, 64.9338

Background



This preview shows how black text looks on a background with the XYZ color 45.4046, 22.6718, 64.9338.



This preview shows how white text looks on a background with the XYZ color 45.4046, 22.6718,

64.9338.

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

45.4046, 22.6718, 64.9338

Protanopia

27.2905, 23.4426, 97.6943

Deuteranopia

23.5786, 22.9994, 57.8402



Tritanopia

34.5534, 22.6492, 12.6758

Trichromacy



Original Color

45.4046, 22.6718, 64.9338



Protanomaly

27.0265, 17.7971, 84.4488



Deuteranomaly

26.8762, 18.5242, 59.9166



Tritanomaly

36.8236, 21.3620, 25.4750

Monochromacy



Original Color

45.4046, 22.6718, 64.9338



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

21.5353, 14.8615, 29.3373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4046, 22.6718, 64.9338 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(231, 29, 213)` looks like.

```
.text, #text, p{  
    color:rgb(231, 29, 213)  
}
```

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(231, 29, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 29, 213) }
```

Border

The CSS property to change the border of an element to XYZ 45.4046, 22.6718, 64.9338 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(231, 29, 213) }
```


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

```
.border{ border-color:rgb(231, 29, 213) }
```

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

Here you see how a box with a 4 pixel rgb(231, 29, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 29, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 29, 213);  
box-shadow:4px 4px 4px 4px rgb(231, 29,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4046, 22.6718, 64.9338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 29, 213) }
```

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

```
.background{ background-color: rgb(231, 29,  
213) }
```

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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