

# Converting Colors

XYZ(45.1482, 22.2373, 73.8642)

Have a look what the booklet for  
XYZ(45.1482, 22.2373, 73.8642)  
contains.

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# Color

**XYZ(45.1482, 22.2373,  
73.8642)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E11AE2
RGB	225, 26, 226
RGB Percent	88%, 10%, 89%
CMY	0.1176, 0.8980, 0.1137
CMYK	0.00, 0.88, 0.00, 0.11
HSL	300°, 79%, 49%
HSV	300°, 88%, 89%
XYZ	45.1482, 22.2373, 73.8642
YIQ	108.3010, 54.4040, 104.3880

# Conversions

## Conversions Part 2

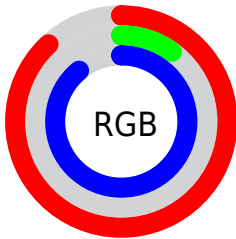
Format	Color
R <sub>Y</sub> B	225, 26, 226
Decimal	14752482
CIE Lab	54.28, 87.20, -54.56
CIE LCh	54, 102.868, 327.965
Yxy	22.2373, 0.3196, 0.1574
Android (android.graphics.Color)	4292942562 (0xFFE11AE2)
YUV	108.3010, 58.0256, 102.3450
Hunter-Lab	47.1564, 88.3745, -59.8603

# Details

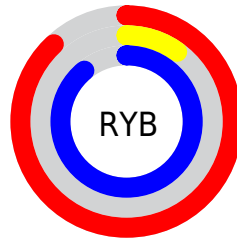
The XYZ color **45.1482, 22.2373, 73.8642** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **27.8355, 54.7008, 10.0695**, and the grayscale version is **14.1726, 14.9107, 16.2377**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **22.7727, 10.9016, 38.9342** is the 20% darker color. If you saturate the color by 10%, you get **44.7812, 21.5548, 73.7521**, and if you desaturate by 10%, it is **45.8969, 23.6816, 74.1038**.

# Distribution



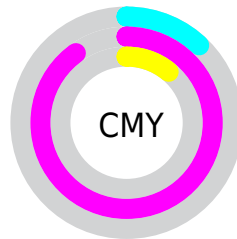
- Red (88%)
- Green (10%)
- Blue (89%)



- Red (88%)
- Yellow (10%)
- Blue (89%)



- Cyan (0%)
- Magenta (88%)
- Yellow (0%)
- Black (11%)




- Cyan (12%)
- Magenta (90%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1482, 22.2373, 73.8642 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 45.1482, 22.2373, 73.8642 by changing the saturation by 10% instead.





 45.1482, 22.2373,  
73.8642

 45.1482, 22.2373,  
73.8642


358.1470,  
263.7830, 493.1554


 31.7759, 14.0314,  
54.1868


 82.1785, 47.1379,  
126.4355

 21.3451, 8.1425,  
38.3568


 106.5672, 64.6013,  
160.1666


 13.4904, 4.1863,  
25.9558


 135.3587, 85.9194,  
199.4192

 7.8464, 1.7783,  
16.5651

 168.9185,  
111.4765, 244.6120

 4.0478, 0.4736,  
9.7662

 207.6119,  
141.6570, 296.1634

 1.7292, 0.0000,  
5.1407

251.8042,

 0.4745, 0.0000,

176.8454, 354.4921

2.2698

301.8608,  
217.4259, 420.0166

■ 0.0000, 0.0000,  
0.7143

■ 0.0000, 0.0000,  
0.0000

■ 45.1482, 22.2373,  
73.8642

■ 45.1482, 22.2373,  
73.8642

■ 44.7812, 21.5548,  
73.7521

■ 45.8969, 23.6816,  
74.1038

■ 44.7388, 21.4779,  
73.7395

■ 47.1168, 26.0692,  
74.5004

■ 48.8715, 29.5261,  
75.0751

■ 51.2138, 34.1585,  
75.8458

■ 54.1907, 40.0597,  
76.8280

■ 57.8439, 47.3137,  
78.0356

■ 62.2118, 55.9972,  
79.4815

■ 67.3301, 66.1813,  
81.1774

■ 73.2319, 77.9322,  
83.1345

# Harmonies

## Analogous

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



32.9263, 22.2373, 129.7271



45.1482, 22.2373, 73.8642



50.7835, 22.2373, 26.4691

# Triad

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



45.1482, 22.2373, 73.8642



21.9098, 22.2373, 0.0000



7.2517, 22.2373, 66.1701

# Complementary

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



45.1482, 22.2373, 73.8642



27.8355, 54.7008, 10.0695

# 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.



6.0939, 22.2373, 22.0882



45.1482, 22.2373, 73.8642



12.5613, 22.2373, 0.1906

# Square

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



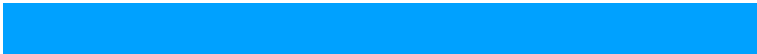
45.1482, 22.2373, 73.8642



34.7383, 22.2373, 0.4460



7.6329, 22.2373, 4.0213



11.6482, 22.2373, 123.1370



# Rectangle

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



45.1482, 22.2373, 73.8642



48.9472, 22.2373, 9.7381



7.6329, 22.2373, 4.0213



6.5574, 22.2373, 48.6480

# Sweetspot

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



45.1491, 22.2383, 73.8646



76.7541, 63.5959, 102.8376



14.6019, 6.6068, 72.4575



16.0440, 12.8481, 21.8843



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.



45.1491, 22.2383, 73.8646



58.8229, 28.2392, 96.9581



35.7191, 18.5024, 22.5768



14.2879, 13.9320, 17.3238



25.5267, 12.2548, 42.0684



1.7716, 0.8506, 2.9160



# Inverse Universe

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



31.9319, 16.9875, 2.6338



41.2470, 21.2628, 1.9667



31.1778, 56.0347, 27.8051



13.7100, 13.7016, 14.2433



17.8980, 9.2262, 0.8627



1.2416, 0.6399, 0.0650



# Previews

## White Background



This preview shows how the XYZ color 45.1482, 22.2373, 73.8642 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

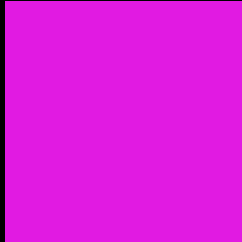
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.1482, 22.2373, 73.8642 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 45.1482, 22.2373, 73.8642**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.1482, 22.2373, 73.8642.



This preview shows how white text looks on a background with the XYZ color 45.1482, 22.2373,



# 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

45.1482, 22.2373, 73.8642

### Protanopia

26.7775, 22.7947, 97.5962

### Deuteranopia

23.3510, 22.6990, 66.1014



## Tritanopia

32.7627, 22.1941, 13.8664

# Trichromacy



## Original Color

45.1482, 22.2373, 73.8642



## Protanomaly

26.7954, 17.3547, 87.5255



## Deuteranomaly

26.0850, 17.7962, 68.3898



## Tritanomaly

35.3601, 20.6269, 28.5033

# Monochromacy



## Original Color

45.1482, 22.2373, 73.8642



## Achromatopsia

14.2537, 14.9960, 16.3306



## Achromatomaly

21.0728, 14.2625, 30.9204

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.1482, 22.2373, 73.8642 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(225, 26, 226)` looks like.

```
.text, #text, p{  
    color:rgb(225, 26, 226)  
}
```

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(225, 26, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 26, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 45.1482, 22.2373, 73.8642 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(225, 26, 226) }
```



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

```
.border{ border-color:rgb(225, 26, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 26, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 26, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 26, 226);  
box-shadow:4px 4px 4px 4px rgb(225, 26,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.1482, 22.2373, 73.8642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 26, 226) }
```

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

```
.background{ background-color: rgb(225, 26,  
226) }
```

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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