

Converting Colors

XYZ(45.2454, 22.1714, 54.2314)

Have a look what the booklet for
XYZ(45.2454, 22.1714, 54.2314)
contains.

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Color

**XYZ(45.2237, 22.1627,
54.1188)**

Conversions

Conversions Part 1

Format	Color
Hex	EE00C4
RGB	238, 0, 196
RGB Percent	93%, 0%, 77%
CMY	0.0667, 0.9998, 0.2314
CMYK	0.00, 1.00, 0.18, 0.07
HSL	311°, 100%, 47%
HSV	311°, 100%, 93%
XYZ	45.2237, 22.1627, 54.1188
YIQ	93.5060, 78.9320, 111.4120

Conversions

Conversions Part 2

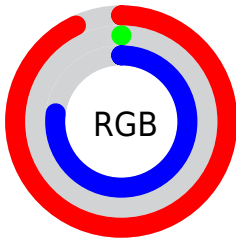
Format	Color
R_{YB}	238, 0, 196
Decimal	15597764
CIE _{Lab}	54.20, 87.76, -37.39
CIE _{LCh}	54, 95.394, 336.922
Yxy	22.1627, 0.3722, 0.1824
Android (android.graphics.Color)	4293787844 (0xFFEE00C4)
YUV	93.5060, 50.5295, 126.7212
Hunter-Lab	47.0773, 89.0867, -35.2041

Details

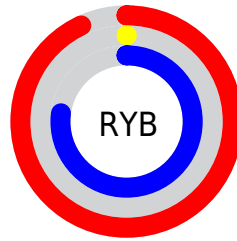
The XYZ color **45.2237, 22.1627, 54.1188** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **30.9941, 61.3173, 12.3970**, and the grayscale version is **10.4018, 10.9435, 11.9174**.

A 20% lighter version of the original color is **63.4315, 37.2755, 96.7802**, and **23.0139, 11.3001, 26.5594** is the 20% darker color. If you saturate the color by 10%, you get **45.2230, 22.1624, 54.1139**, and if you desaturate by 10%, it is **46.0325, 23.0039, 56.7810**.

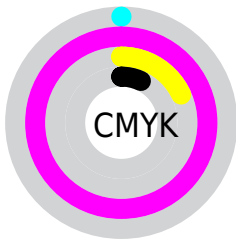
Distribution



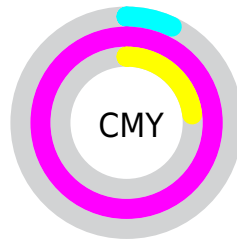
- Red (93%)
- Green (0%)
- Blue (77%)



- Red (93%)
- Yellow (0%)
- Blue (77%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (7%)




- Cyan (7%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2237, 22.1627, 54.1188 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 45.2237, 22.1627, 54.1188 by changing the saturation by 10% instead.


 45.2237, 22.1627,
54.1188


 45.2237, 22.1627,
54.1188

358.4473,
263.3948, 419.7503


 31.8357, 13.9765,
38.3028


 82.2910, 47.0148,
97.7068


 21.3910, 8.1043,
25.9142


 106.7010, 64.4494,
126.3159

 13.5242, 4.1618,
16.5342


 135.5157, 85.7357,
160.0265

 7.8700, 1.7645,
9.7445

 169.1005,
111.2579, 199.2571

 4.0629, 0.4649,
5.1265

 207.8206,
141.4005, 244.4262

 1.7378, 0.0000,
2.2617

252.0416,

 0.4798, 0.0000,

176.5480, 295.9524

0.7096

302.1287,
217.0846, 354.2543

■ 0.0000, 0.0000,
0.0000

■ 45.2237, 22.1627,
54.1188

■ 45.2237, 22.1627,
54.1188

■ 45.2230, 22.1624,
54.1139

■ 46.0325, 23.0039,
56.7810

■ 47.2502, 24.6415,
59.6459

■ 49.0015, 27.3249,
62.7558

■ 51.3601, 31.2008,
66.1357

■ 54.3878, 36.3926,
69.8068

■ 58.1385, 43.0083,
73.7876

■ 62.6608, 51.1448,
78.0947

■ 67.9989, 60.8902,
82.7433

■ 74.1936, 72.3262,
87.7476

Harmonies

Analogous

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



35.4432, 22.1627, 104.5262



45.2237, 22.1627, 54.1188



47.6785, 22.1627, 17.8873

Triad

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



45.2237, 22.1627, 54.1188



18.7539, 22.1627, 0.0000



8.8145, 22.1627, 77.1985

Complementary

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



45.2237, 22.1627, 54.1188



30.9941, 61.3173, 12.3970

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.



6.8311, 22.1627, 31.6820



45.2237, 22.1627, 54.1188



11.2202, 22.1627, 1.2213

Square

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



45.2237, 22.1627, 54.1188



29.8794, 22.1627, 0.3976



7.5383, 22.1627, 7.9638



14.1808, 22.1627, 123.8845

Rectangle

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



45.2237, 22.1627, 54.1188



44.2902, 22.1627, 6.4194



7.5383, 22.1627, 7.9638



7.8266, 22.1627, 60.2825

Sweetspot

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



45.2245, 22.1638, 54.1192



73.2116, 59.6808, 91.2698



16.2970, 6.6194, 81.3081



15.1680, 11.8664, 19.0695



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.



45.2245, 22.1638, 54.1192



52.8717, 25.9127, 63.1816



36.6853, 18.7482, 9.1524



16.3275, 15.9807, 19.2810



25.2731, 12.3817, 30.4183



2.1335, 1.0425, 2.6940

Inverse Universe

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



45.2245, 22.1638, 54.1192



52.8717, 25.9127, 63.1816



36.8059, 63.6420, 43.0013



16.3275, 15.9807, 19.2810



25.2731, 12.3817, 30.4183



2.1335, 1.0425, 2.6940

Previews

White Background



This preview shows how the XYZ color 45.2237, 22.1627, 54.1188 looks on a white background.

Color Contrast Check

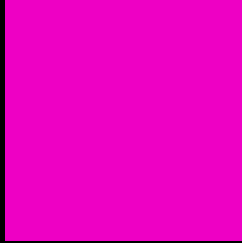
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.2237, 22.1627, 54.1188 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 45.2237, 22.1627, 54.1188

Background



This preview shows how black text looks on a background with the XYZ color 45.2237, 22.1627, 54.1188.



This preview shows how white text looks on a background with the XYZ color 45.2237, 22.1627,

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

45.2237, 22.1627, 54.1188

Protanopia

27.1076, 23.1556, 97.6485

Deuteranopia

23.4444, 22.9367, 48.5390



Tritanopia

36.1340, 22.3958, 10.2029

Trichromacy



Original Color

45.2237, 22.1627, 54.1188



Protanomaly

25.5394, 15.8184, 79.5491



Deuteranomaly

26.2709, 17.0865, 49.4903



Tritanomaly

37.9522, 20.7825, 20.7500

Monochromacy



Original Color

45.2237, 22.1627, 54.1188



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.5667, 10.9814, 22.6665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2237, 22.1627, 54.1188 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(238, 0, 196)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 196)  
}
```

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(238, 0, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 196) }
```

Border

The CSS property to change the border of an element to XYZ 45.2237, 22.1627, 54.1188 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(238, 0, 196) }
```


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

```
.border{ border-color:rgb(238, 0, 196) }
```

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

Here you see how a box with a 4 pixel rgb(238, 0, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(238, 0,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2237, 22.1627, 54.1188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 196) }
```

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

```
.background{ background-color: rgb(238, 0,  
196) }
```

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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