

Converting Colors

XYZ(45.2660, 22.5517, 37.5286)

Have a look what the booklet for
XYZ(45.2660, 22.5517, 37.5286)
contains.

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Color

**XYZ(45.1493, 22.4908,
37.5588)**

Conversions

Conversions Part 1

Format	Color
Hex	F700A5
RGB	247, 0, 165
RGB Percent	97%, 0%, 65%
CMY	0.0314, 0.9998, 0.3529
CMYK	0.00, 1.00, 0.33, 0.03
HSL	320°, 100%, 48%
HSV	320°, 100%, 97%
XYZ	45.1493, 22.4908, 37.5588
YIQ	92.6630, 94.2470, 103.6790

Conversions

Conversions Part 2

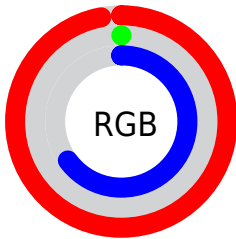
Format	Color
RYB	247, 0, 165
Decimal	16187557
CIELab	54.54, 86.06, -18.64
CIElCh	55, 88.055, 347.781
Yxy	22.4908, 0.4292, 0.2138
Android (android.graphics.Color)	4294377637 (0xFFFF700A5)
YUV	92.6630, 35.6621, 135.3535
Hunter-Lab	47.4245, 86.9437, -13.7588

Details

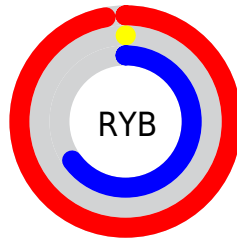
The XYZ color **45.1493, 22.4908, 37.5588** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **34.7867, 67.1320, 19.1186**, and the grayscale version is **10.2382, 10.7714, 11.7300**.

A 20% lighter version of the original color is **58.6201, 35.3510, 71.4439**, and **22.9882, 11.5065, 16.6322** is the 20% darker color. If you saturate the color by 10%, you get **45.1476, 22.4901, 37.5496**, and if you desaturate by 10%, it is **46.2627, 23.4841, 41.7324**.

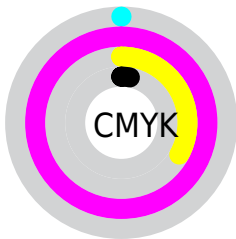
Distribution



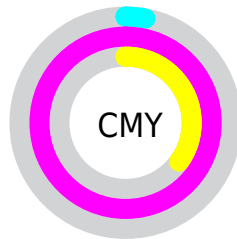
- Red (97%)
- Green (0%)
- Blue (65%)



- Red (97%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1493, 22.4908, 37.5588 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 45.1493, 22.4908, 37.5588 by changing the saturation by 10% instead.

 45.1493, 22.4908,
37.5588


 45.1493, 22.4908,
37.5588


358.1514,
265.0987, 350.9648


 31.7768, 14.2180,
25.3413


 82.1801, 47.5559,
72.6273


 21.3458, 8.2724,
16.1102


 106.5691, 65.1169,
96.3153


 13.4909, 4.2698,
9.4469


 135.3610, 86.5427,
124.6640

 7.8468, 1.8256,
4.9331

 168.9212,
112.2179, 158.0917

 4.0480, 0.5030,
2.1500

 207.6150,
142.5266, 197.0171

 1.7293, 0.0000,
0.6453

251.8077,

 0.4745, 0.0000,

177.8534, 241.8588

0.0000

301.8647,
218.5827, 293.0351

■ 0.0000, 0.0000,
0.0000

■ 45.1493, 22.4908,
37.5588

■ 45.1493, 22.4908,
37.5588

■ 45.1476, 22.4901,
37.5496

■ 46.2627, 23.4841,
41.7324

■ 47.8574, 25.3622,
46.3068

■ 50.0684, 28.3934,
51.3313

■ 52.9771, 32.7394,
56.8372

■ 56.6520, 38.5358,
62.8511

■ 61.1530, 45.9011,
69.3969

■ 66.5338, 54.9416,
76.4964

■ 72.8435, 65.7542,
84.1696

■ 80.1275, 78.4286,
92.4352

Harmonies

Analogous

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



38.2910, 22.4908, 80.4352



45.1493, 22.4908, 37.5588



44.3859, 22.4908, 11.5728

Triad

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



45.1493, 22.4908, 37.5588



16.1923, 22.4908, 0.7126



11.1683, 22.4908, 88.7712

Complementary

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



45.1493, 22.4908, 37.5588



34.7867, 67.1320, 19.1186

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.



8.1208, 22.4908, 44.5863



45.1493, 22.4908, 37.5588



10.3620, 22.4908, 3.3161

Square

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



45.1493, 22.4908, 37.5588



25.5533, 22.4908, 0.5580



7.8786, 22.4908, 14.8684



17.6822, 22.4908, 121.9268

Rectangle

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



45.1493, 22.4908, 37.5588



39.6707, 22.4908, 4.2197



7.8786, 22.4908, 14.8684



9.8019, 22.4908, 73.6626

Sweetspot

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



45.1500, 22.4921, 37.5592



71.4865, 58.9907, 82.1853



19.9521, 8.3472, 88.5553



14.7533, 11.7006, 16.8856



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.



45.1500, 22.4921, 37.5592



48.5264, 24.1746, 40.2998



38.8385, 19.9675, 4.3233



16.9660, 16.6693, 19.5676



23.9456, 11.9217, 20.2197



2.1521, 1.0668, 2.0271

Inverse Universe

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



45.1500, 22.4921, 37.5592



48.5264, 24.1746, 40.2998



43.8899, 70.7733, 67.0554



16.9660, 16.6693, 19.5676



23.9456, 11.9217, 20.2197



2.1521, 1.0668, 2.0271

Previews

White Background



This preview shows how the XYZ color 45.1493, 22.4908, 37.5588 looks on a white background.

Color Contrast Check

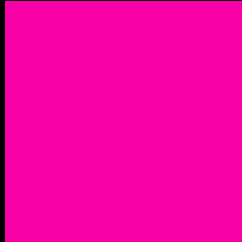
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.1493, 22.4908, 37.5588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

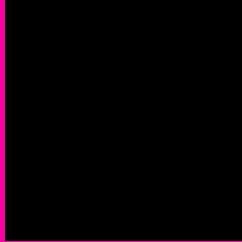
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 45.1493, 22.4908, 37.5588

Background



This preview shows how black text looks on a background with the XYZ color 45.1493, 22.4908, 37.5588.



This preview shows how white text looks on a background with the XYZ color 45.1493, 22.4908,

37.5588.

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

45.1493, 22.4908, 37.5588

Protanopia

26.2528, 23.2438, 82.4597

Deuteranopia

23.5145, 23.1019, 33.7916



Tritanopia

39.2093, 22.8987, 7.8222

Trichromacy



Original Color

45.1493, 22.4908, 37.5588



Protanomaly

25.5598, 16.2007, 62.7527



Deuteranomaly

26.8680, 17.6172, 34.3321



Tritanomaly

40.2033, 21.6198, 14.8861

Monochromacy



Original Color

45.1493, 22.4908, 37.5588



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.2882, 10.8494, 18.6357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1493, 22.4908, 37.5588 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(247, 0, 165)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 165)  
}
```

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(247, 0, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 165) }
```

Border

The CSS property to change the border of an element to XYZ 45.1493, 22.4908, 37.5588 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(247, 0, 165) }
```


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

```
.border{ border-color:rgb(247, 0, 165) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 165);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1493, 22.4908, 37.5588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 165) }
```

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

```
.background{ background-color: rgb(247, 0,  
165) }
```

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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