

# Converting Colors

XYZ(46.4424, 22.9460, 53.0202)

Have a look what the booklet for  
XYZ(46.4424, 22.9460, 53.0202)  
contains.

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# Color

**XYZ(46.4424, 22.9460,  
53.0202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F208C2
RGB	242, 8, 194
RGB Percent	95%, 3%, 76%
CMY	0.0510, 0.9684, 0.2392
CMYK	0.00, 0.97, 0.20, 0.05
HSL	312°, 94%, 49%
HSV	312°, 97%, 95%
XYZ	46.4424, 22.9460, 53.0202
YIQ	99.1700, 79.7580, 107.4540

# Conversions

## Conversions Part 2

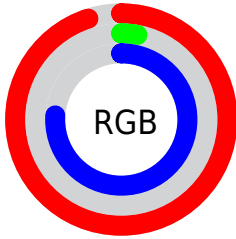
<b>Format</b>	<b>Color</b>
<b>RYB</b>	242, 8, 194
Decimal	15861954
CIELab	55.02, 87.71, -34.90
CIElCh	55, 94.401, 338.300
Yxy	22.9460, 0.3794, 0.1875
Android (android.graphics.Color)	4294052034 (0xFFFF208C2)
YUV	99.1700, 46.7512, 125.2619
Hunter-Lab	47.9020, 89.2326, -32.0936

# Details

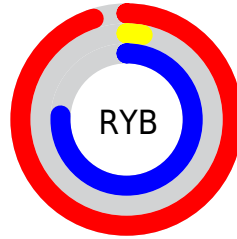
The XYZ color **46.4424, 22.9460, 53.0202** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **32.5682, 63.8426, 14.3544**, and the grayscale version is **11.7819, 12.3955, 13.4987**.

A 20% lighter version of the original color is **63.3063, 37.5324, 95.1747**, and **23.7897, 11.7172, 25.8187** is the 20% darker color. If you saturate the color by 10%, you get **46.1712, 22.6986, 52.0195**, and if you desaturate by 10%, it is **47.4463, 24.0459, 56.1525**.

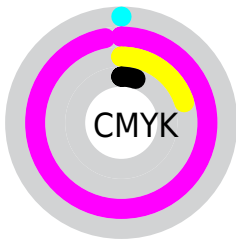
# Distribution



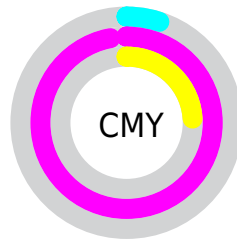
- Red (95%)
- Green (3%)
- Blue (76%)



- Red (95%)
- Yellow (3%)
- Blue (76%)



- Cyan (0%)
- Magenta (97%)
- Yellow (20%)
- Black (5%)




- Cyan (5%)
- Magenta (97%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4424, 22.9460, 53.0202 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 46.4424, 22.9460, 53.0202 by changing the saturation by 10% instead.





 46.4424, 22.9460,  
53.0202


 46.4424, 22.9460,  
53.0202


363.2706,  
267.4475, 415.4311


 32.8012, 14.5536,  
37.4311


 84.1045, 48.3046,  
96.0759


 22.1327, 8.5067,  
25.2430


 108.8561, 66.0397,  
124.3796


 14.0716, 4.4209,  
16.0375


 138.0419, 87.6578,  
157.7586

 8.2525, 1.9117,  
9.3961

 172.0272,  
113.5433, 196.6313

 4.3101, 0.5554,  
4.9001

 211.1773,  
144.0807, 241.4164

 1.8790, 0.0000,  
2.1310

255.8577,

 0.5646, 0.0000,

179.6542, 292.5324

0.6342

306.4337,  
220.6484, 350.3978

■ 0.0000, 0.0000,  
0.0000

■ 46.4424, 22.9460,  
53.0202

■ 46.4424, 22.9460,  
53.0202

■ 46.1712, 22.6986,  
52.0195

■ 47.4463, 24.0459,  
56.1525

■ 48.9451, 26.1060,  
59.5426

■ 51.0306, 29.3090,  
63.2218

■ 53.7746, 33.7984,  
67.2150

■ 57.2387, 39.6970,  
71.5436

61.4771, 47.1131,  
76.2266

66.5388, 56.1443,  
81.2809

72.4686, 66.8801,  
86.7225

79.3083, 79.4035,  
92.5659

# Harmonies

## Analogous

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



36.8580, 22.9460, 103.3071



46.4424, 22.9460, 53.0202



48.4886, 22.9460, 17.5360

# Triad

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



46.4424, 22.9460, 53.0202



19.0243, 22.9460, 0.1010



9.4978, 22.9460, 80.6404

# Complementary

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



46.4424, 22.9460, 53.0202



32.5682, 63.8426, 14.3544

# 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.



7.3163, 22.9460, 34.2896



46.4424, 22.9460, 53.0202



11.5417, 22.9460, 1.5392

# Square

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



46.4424, 22.9460, 53.0202



30.1530, 22.9460, 0.4995



7.9206, 22.9460, 9.1300



15.1673, 22.9460, 126.3233



# Rectangle

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



46.4424, 22.9460, 53.0202



44.8361, 22.9460, 6.3815



7.9206, 22.9460, 9.1300



8.4309, 22.9460, 63.6151

# Sweetspot

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



46.4432, 22.9472, 53.0206



73.4766, 60.6091, 90.1298



17.6814, 7.3934, 84.5000



15.2013, 12.0341, 18.7686



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.



46.4432, 22.9472, 53.0206



51.9815, 25.5566, 58.4938



38.0892, 19.6056, 9.0290



16.3072, 15.9726, 19.1739



24.8543, 12.2142, 28.2132



2.1023, 1.0300, 2.5294



# Inverse Universe

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



46.4432, 22.9472, 53.0206



51.9815, 25.5566, 58.4938



39.2818, 66.5280, 49.7080



16.3072, 15.9726, 19.1739



24.8543, 12.2142, 28.2132



2.1023, 1.0300, 2.5294



# Previews

## White Background



This preview shows how the XYZ color 46.4424, 22.9460, 53.0202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

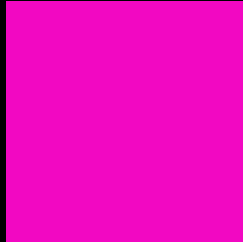
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.4424, 22.9460, 53.0202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

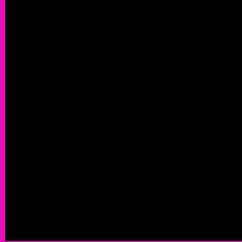
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 46.4424, 22.9460, 53.0202**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.4424, 22.9460, 53.0202.



This preview shows how white text looks on a background with the XYZ color 46.4424, 22.9460,



# 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

46.4424, 22.9460, 53.0202

### Protanopia

27.7039, 23.8503, 97.7512

### Deuteranopia

23.8959, 23.3919, 47.5116



## Tritanopia

37.7434, 23.2255, 10.2783

# Trichromacy



## Original Color

46.4424, 22.9460, 53.0202



## Protanomaly

26.5607, 16.8158, 78.9367



## Deuteranomaly

27.0910, 17.8821, 48.4781



## Tritanomaly

39.3329, 21.6940, 20.5266

# Monochromacy



## Original Color

46.4424, 22.9460, 53.0202



## Achromatopsia

11.8596, 12.4772, 13.5877



## Achromatomaly

19.0138, 12.1970, 23.9064

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.4424, 22.9460, 53.0202 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(242, 8, 194)` looks like.

```
.text, #text, p{  
    color:rgb(242, 8, 194)  
}
```

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(242, 8, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 8, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 46.4424, 22.9460, 53.0202 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(242, 8, 194) }
```



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

```
.border{ border-color:rgb(242, 8, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 8, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 8, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 8, 194);  
box-shadow:4px 4px 4px 4px rgb(242, 8,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.4424, 22.9460, 53.0202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 8, 194) }
```

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

```
.background{ background-color: rgb(242, 8,  
194) }
```

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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