

# Converting Colors

XYZ(52.5695, 28.5045, 90.7507)

Have a look what the booklet for  
XYZ(52.5695, 28.5045, 90.7507)  
contains.

<b>XYZ(52.6460, 28.5455, 90.7308)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(52.6460, 28.5455,  
90.7308)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E947F7
RGB	233, 71, 247
RGB Percent	91%, 28%, 97%
CMY	0.0863, 0.7215, 0.0314
CMYK	0.06, 0.71, 0.00, 0.03
HSL	295°, 92%, 62%
HSV	295°, 71%, 97%
XYZ	52.6460, 28.5455, 90.7308
YIQ	139.5020, 40.0560, 89.0800

# Conversions

## Conversions Part 2

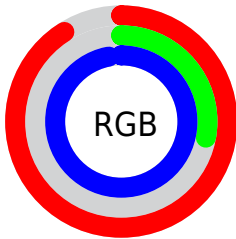
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 71, 247
Decimal	15288311
CIE <sub>Lab</sub>	60.38, 81.41, -56.52
CIE <sub>LCh</sub>	60, 99.103, 325.230
Yxy	28.5455, 0.3062, 0.1660
Android (android.graphics.Color)	4293478391 (0xFFE947F7)
YUV	139.5020, 52.9965, 81.9977
Hunter-Lab	53.4280, 82.3884, -63.2860

# Details

The XYZ color **52.6460, 28.5455, 90.7308** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **38.1453, 68.9085, 17.2526**, and the grayscale version is **24.5267, 25.8040, 28.1006**.

A 20% lighter version of the original color is **67.6775, 45.2551, 99.7758**, and **26.5278, 12.6019, 49.7494** is the 20% darker color. If you saturate the color by 10%, you get **50.7446, 25.6886, 90.2800**, and if you desaturate by 10%, it is **55.1947, 32.6843, 91.3958**.

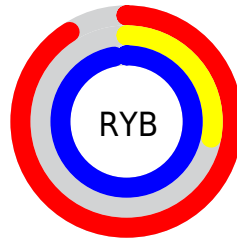
# Distribution



Red (91%)

Green (28%)

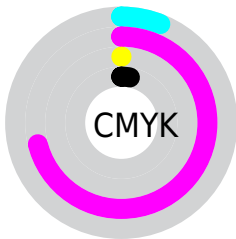
Blue (97%)



Red (91%)

Yellow (28%)

Blue (97%)

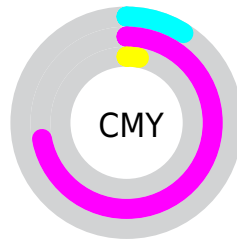


Cyan (6%)

Magenta (71%)

Yellow (0%)

Black (3%)



Cyan (9%)

Magenta (72%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6460, 28.5455, 90.7308 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 52.6460, 28.5455, 90.7308 by changing the saturation by 10% instead.





 52.6460, 28.5455,  
90.7308

 52.6460, 28.5455,  
90.7308

387.2086,  
295.0644, 551.0366


 37.7466, 18.7373,  
68.0098

 93.2519, 57.3542,  
150.2975

 25.9624, 11.4806,  
49.4390


 119.6890, 77.1234,  
187.9802

 16.9280, 6.3911,  
34.5998


 150.7028,  
100.9818, 231.4873

 10.2782, 3.0843,  
23.0737

 186.6586,  
129.3137, 281.2373

 5.6475, 1.1759,  
14.4421

227.9217,  
162.5035, 337.6486

 2.6705, 0.0419,  
8.2865

274.8575,

 0.9820, 0.0000,

200.9356, 401.1399

4.1884

327.8314,  
244.9945, 472.1297

■ 0.0000, 0.0000,  
1.7293

■ 0.0000, 0.0000,  
0.3807

■ 52.6460, 28.5455,  
90.7308

■ 52.6460, 28.5455,  
90.7308

■ 50.7446, 25.6886,  
90.2800

■ 55.1947, 32.6843,  
91.3958

■ 49.4043, 23.9443,  
90.0139

■ 58.4562, 38.2392,  
92.2961

■ 48.5789, 23.1039,  
89.8952

■ 62.4918, 45.3316,  
93.4523

■ 67.3552, 54.0689,  
94.8825

73.0953, 64.5489,  
96.6028

79.7572, 76.8615,  
98.6282

87.3827, 91.0907,  
100.9728

91.5155, 98.3236,  
102.1511

92.2184, 98.6860,  
102.1840

# Harmonies

## Analogous

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



38.9731, 28.5455, 147.5794



52.6460, 28.5455, 90.7308



59.6060, 28.5455, 37.2892

# Triad

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



52.6460, 28.5455, 90.7308



29.2206, 28.5455, 0.3734



10.4548, 28.5455, 71.6132

# Complementary

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



52.6460, 28.5455, 90.7308



38.1453, 68.9085, 17.2526

# 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.



9.3068, 28.5455, 25.6035



52.6460, 28.5455, 90.7308



17.9704, 28.5455, 1.0111

# Square

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



52.6460, 28.5455, 90.7308



43.6408, 28.5455, 1.7299



11.5713, 28.5455, 5.7810



15.4200, 28.5455, 131.7011



# Rectangle

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



52.6460, 28.5455, 90.7308



58.3047, 28.5455, 16.0515



11.5713, 28.5455, 5.7810



9.6921, 28.5455, 53.3994

# Sweetspot

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



52.6471, 28.5468, 90.7314



78.7320, 69.6645, 103.9047



22.6894, 14.6588, 89.6297



16.4645, 14.2002, 22.1231



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.



52.6471, 28.5468, 90.7314



53.7830, 26.5642, 96.9005



48.2195, 27.3248, 42.6087



17.0760, 16.6973, 20.8655



25.7484, 12.2481, 47.5451



2.3009, 1.0960, 4.1805



# Inverse Universe

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



42.2516, 24.9376, 11.1821



42.5077, 22.7620, 5.5386



40.9199, 69.8857, 37.8537



16.5526, 16.5039, 17.3907



20.3710, 10.4918, 1.3962



1.8085, 0.9294, 0.2180



# Previews

## White Background



This preview shows how the XYZ color 52.6460, 28.5455, 90.7308 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

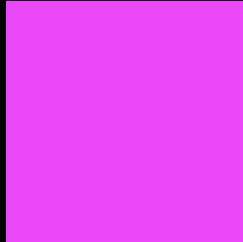
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 52.6460, 28.5455, 90.7308 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 52.6460, 28.5455, 90.7308**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.6460, 28.5455, 90.7308.



This preview shows how white text looks on a background with the XYZ color 52.6460, 28.5455,

90.7308.

# 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

52.6460, 28.5455, 90.7308

### Protanopia

32.1366, 28.8413, 98.4809

### Deuteranopia

29.7885, 28.8831, 82.6022



## Tritanopia

38.4436, 28.3452, 21.8573

# Trichromacy



## Original Color

52.6460, 28.5455, 90.7308



## Protanomaly

35.1438, 25.3587, 95.1379



## Deuteranomaly

33.6784, 25.3549, 84.7803



## Tritanomaly

41.7742, 27.2134, 39.6102

# Monochromacy



## Original Color

52.6460, 28.5455, 90.7308



## Achromatopsia

24.9269, 26.2251, 28.5591



## Achromatomaly

31.7230, 24.5148, 45.7077

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6460, 28.5455, 90.7308 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(233, 71, 247)` looks like.

```
.text, #text, p{  
    color:rgb(233, 71, 247)  
}
```

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(233, 71, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 71, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6460, 28.5455, 90.7308 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(233, 71, 247) }
```



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

```
.border{ border-color:rgb(233, 71, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 71, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 71, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 71, 247);  
box-shadow:4px 4px 4px 4px rgb(233, 71,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6460, 28.5455, 90.7308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 71, 247) }
```

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

```
.background{ background-color: rgb(233, 71,  
247) }
```

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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