

Converting Colors

XYZ(49.8359, 27.2949, 67.7044)

Have a look what the booklet for
XYZ(49.8359, 27.2949, 67.7044)
contains.

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Color

**XYZ(49.7217, 27.2693,
67.6086)**

Conversions

Conversions Part 1

Format	Color
Hex	EE44D8
RGB	238, 68, 216
RGB Percent	93%, 27%, 85%
CMY	0.0667, 0.7333, 0.1529
CMYK	0.00, 0.71, 0.09, 0.07
HSL	308°, 83%, 60%
HSV	308°, 71%, 93%
XYZ	49.7217, 27.2693, 67.6086
YIQ	135.7020, 53.8120, 82.0680

Conversions

Conversions Part 2

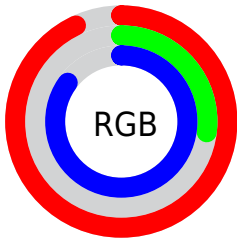
Format	Color
R _Y B	238, 68, 216
Decimal	15615192
CIE Lab	59.22, 78.64, -40.93
CIE LCh	59, 88.655, 332.504
Yxy	27.2693, 0.3439, 0.1886
Android (android.graphics.Color)	4293805272 (0xFFEE44D8)
YUV	135.7020, 39.5869, 89.7153
Hunter-Lab	52.2200, 78.5752, -40.2080

Details

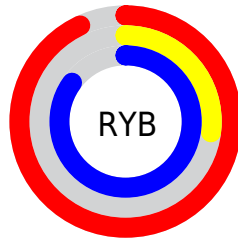
The XYZ color **49.7217, 27.2693, 67.6086** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **34.8053, 63.1173, 20.0236**, and the grayscale version is **23.1350, 24.3399, 26.5061**.

A 20% lighter version of the original color is **67.2726, 44.4453, 99.6409**, and **24.7931, 12.0382, 34.7351** is the 20% darker color. If you saturate the color by 10%, you get **48.1689, 24.7944, 65.1447**, and if you desaturate by 10%, it is **51.8677, 30.9174, 70.3075**.

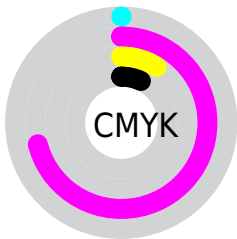
Distribution



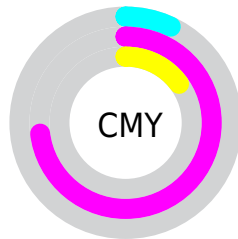
- Red (93%)
- Green (27%)
- Blue (85%)



- Red (93%)
- Yellow (27%)
- Blue (85%)



- Cyan (0%)
- Magenta (71%)
- Yellow (9%)
- Black (7%)




- Cyan (7%)
- Magenta (73%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7217, 27.2693, 67.6086 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 49.7217, 27.2693, 67.6086 by changing the saturation by 10% instead.


 49.7217, 27.2693,
67.6086


 49.7217, 27.2693,
67.6086

376.0466,
288.9587, 470.6684


 35.4092, 17.7756,
49.1147


 88.9567, 55.3157,
117.4410


 24.1463, 10.7890,
34.3442


 114.6099, 74.6372,
149.6165

 15.5675, 5.9251,
22.8787


 144.7741, 98.0034,
187.1896

 9.3075, 2.7996,
14.2995

 179.8145,
125.7986, 230.5789

 5.0010, 1.0280,
8.1881

 220.0967,
158.4074, 280.2029

 2.2826, 0.0000,
4.1261

265.9858,

 0.7857, 0.0000,

196.2141, 336.4801

1.6948

317.8474,
239.6030, 399.8291

■ 0.0000, 0.0000,
0.3571

■ 0.0000, 0.0000,
0.0000

■ 49.7217, 27.2693,
67.6086

■ 49.7217, 27.2693,
67.6086

■ 48.1689, 24.7944,
65.1447

■ 51.8677, 30.9174,
70.3075


■ 47.1306, 23.3374,
62.8888


■ 54.6672, 35.8609,
73.2610


■ 46.5470, 22.6920,
61.0855


■ 58.1759, 42.2109,
76.4881


■ 62.4430, 50.0656,
80.0055

 67.5133, 59.5145,
83.8282

 73.4280, 70.6398,
87.9702

 80.2255, 83.5184,
92.4444

 86.8441, 96.0269,
96.8972

 87.3073, 96.2121,
99.3366

Harmonies

Analogous

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



39.1040, 27.2693, 116.3348



49.7217, 27.2693, 67.6086



53.4895, 27.2693, 27.1102

Triad

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



49.7217, 27.2693, 67.6086



25.0009, 27.2693, 0.9465



11.8052, 27.2693, 75.9007

Complementary

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



49.7217, 27.2693, 67.6086



34.8053, 63.1173, 20.0236

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.



9.9521, 27.2693, 32.4320



49.7217, 27.2693, 67.6086



16.0905, 27.2693, 2.2554

Square

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



49.7217, 27.2693, 67.6086



37.0257, 27.2693, 1.8111



11.2639, 27.2693, 9.5186



17.2898, 27.2693, 123.0720

Rectangle

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



49.7217, 27.2693, 67.6086



50.9398, 27.2693, 11.9522



11.2639, 27.2693, 9.5186



10.8208, 27.2693, 59.6258

Sweetspot

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



49.7227, 27.2706, 67.6091



79.1858, 70.0250, 98.2061



21.5100, 12.3755, 82.1447



16.5745, 14.2875, 20.7463



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.



49.7227, 27.2706, 67.6091



55.6743, 28.0286, 74.8725



41.5736, 24.0110, 24.6964



16.3611, 15.9941, 19.4577



26.0025, 12.6734, 34.2593



2.1875, 1.0640, 2.9781

Inverse Universe

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



49.7227, 27.2706, 67.6091



55.6743, 28.0286, 74.8725



40.4865, 65.3898, 49.9405



16.3611, 15.9941, 19.4577



26.0025, 12.6734, 34.2593



2.1875, 1.0640, 2.9781

Previews

White Background



This preview shows how the XYZ color 49.7217, 27.2693, 67.6086 looks on a white background.

Color Contrast Check

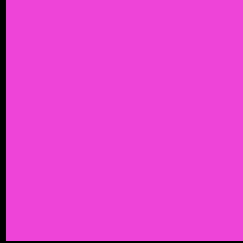
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.7217, 27.2693, 67.6086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

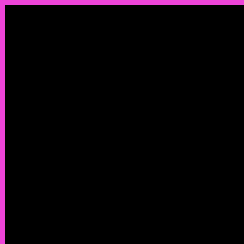
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.7217, 27.2693, 67.6086

Background



This preview shows how black text looks on a background with the XYZ color 49.7217, 27.2693, 67.6086.



This preview shows how white text looks on a background with the XYZ color 49.7217, 27.2693,

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

49.7217, 27.2693, 67.6086

Protanopia

31.2131, 27.7115, 98.3115

Deuteranopia

28.3002, 27.6757, 61.6080



Tritanopia

39.3433, 27.1572, 17.9201

Trichromacy



Original Color

49.7217, 27.2693, 67.6086



Protanomaly

32.9376, 23.9119, 86.0985



Deuteranomaly

32.5396, 24.5463, 63.3445



Tritanomaly

42.0360, 26.4712, 31.3277

Monochromacy



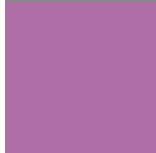
Original Color

49.7217, 27.2693, 67.6086



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

29.7096, 22.9697, 38.4650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7217, 27.2693, 67.6086 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, 68, 216)` looks like.

```
.text, #text, p{  
    color:rgb(238, 68, 216)  
}
```

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, 68, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 68, 216) }
```

Border

The CSS property to change the border of an element to XYZ 49.7217, 27.2693, 67.6086 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, 68, 216) }
```


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

```
.border{ border-color:rgb(238, 68, 216) }
```

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

Here you see how a box with a 4 pixel rgb(238, 68, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 68, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 68, 216);  
box-shadow:4px 4px 4px 4px rgb(238, 68,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7217, 27.2693, 67.6086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 68, 216) }
```

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

```
.background{ background-color: rgb(238, 68,  
216) }
```

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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