

Converting Colors

XYZ(27.1250, 13.9456, 48.8393)

Have a look what the booklet for
XYZ(27.1250, 13.9456, 48.8393)
contains.

XYZ(27.2258, 14.0157, 48.8473)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.2258, 14.0157,
48.8473)**

Conversions

Conversions Part 1

Format	Color
Hex	AE26BC
RGB	174, 38, 188
RGB Percent	68%, 15%, 74%
CMY	0.3176, 0.8510, 0.2627
CMYK	0.07, 0.80, 0.00, 0.26
HSL	294°, 66%, 44%
HSV	294°, 80%, 74%
XYZ	27.2258, 14.0157, 48.8473
YIQ	95.7640, 32.9060, 75.4820

Conversions

Conversions Part 2

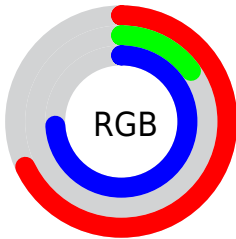
Format	Color
R_{YB}	174, 38, 188
Decimal	11413180
CIE _{Lab}	44.26, 69.88, -49.22
CIE _{LCh}	44, 85.469, 324.841
Yxy	14.0157, 0.3022, 0.1556
Android (android.graphics.Color)	4289603260 (0xFFAE26BC)
YUV	95.7640, 45.4723, 68.6130
Hunter-Lab	37.4375, 64.2953, -51.1534

Details

The XYZ color **27.2258, 14.0157, 48.8473** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **19.7496, 36.8368, 7.9035**, and the grayscale version is **10.9500, 11.5202, 12.5455**.

A 20% lighter version of the original color is **54.7394, 33.2236, 89.9139**, and **11.6392, 5.5031, 23.0030** is the 20% darker color. If you saturate the color by 10%, you get **26.3811, 12.9022, 48.6771**, and if you desaturate by 10%, it is **28.3801, 15.7397, 49.1194**.

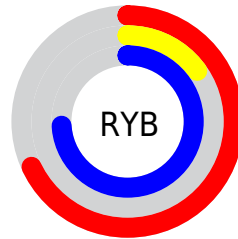
Distribution



Red (68%)

Green (15%)

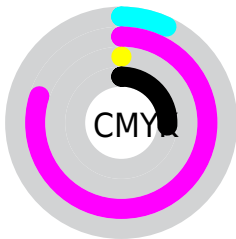
Blue (74%)



Red (68%)

Yellow (15%)

Blue (74%)

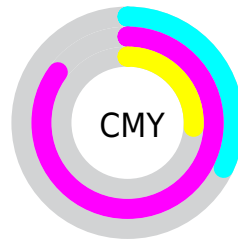


Cyan (7%)

Magenta (80%)

Yellow (0%)

Black (26%)



Cyan (32%)

Magenta (85%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2258, 14.0157, 48.8473 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 27.2258, 14.0157, 48.8473 by changing the saturation by 10% instead.

■ 27.2258, 14.0157,
48.8473

■ 27.2258, 14.0157,
48.8473

280.8964,
217.3285, 398.7460

■ 17.8803, 8.1316,
34.1336

■ 54.6633, 33.1169,
89.8433

■ 10.9633, 4.1793,
22.7181

■ 73.4861, 47.1027,
116.9626

■ 6.1093, 1.7743,
14.1821

■ 96.1987, 64.5580,
149.0543

■ 2.9529, 0.4711,
8.1073

■ 123.1665, 85.8670,
186.5368

■ 1.1289, 0.0000,
4.0749

■ 154.7548,
111.4141, 229.8287

■ 0.0491, 0.0000,
1.6665

■ 191.3290,

■ 0.0000, 0.0000,

141.5838, 279.3485

0.3376

233.2544,
176.7605, 335.5148

■ 0.0000, 0.0000,
0.0000

■ 27.2258, 14.0157,
48.8473

■ 27.2258, 14.0157,
48.8473

■ 26.3811, 12.9022,
48.6771

■ 28.3801, 15.7397,
49.1194

■ 25.7658, 12.2407,
48.5818

■ 29.8826, 18.1528,
49.5060

■ 25.7532, 12.2277,
48.5800

■ 31.7678, 21.3240,
50.0188

■ 34.0660, 25.3132,
50.6676

■ 36.8040, 30.1746,
51.4617

■ 40.0067, 35.9574,
52.4091

■ 43.6968, 42.7074,
53.5175

■ 47.8956, 50.4672,
54.7939

■ 52.6234, 59.2768,
56.2452

Harmonies

Analogous

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



19.6455, 14.0157, 81.3087



27.2258, 14.0157, 48.8473



31.1815, 14.0157, 18.9040

Triad

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



27.2258, 14.0157, 48.8473



14.5393, 14.0157, 0.0000



4.5962, 14.0157, 37.1828

Complementary

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



27.2258, 14.0157, 48.8473



19.7496, 36.8368, 7.9035

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.



4.0472, 14.0157, 12.1185



27.2258, 14.0157, 48.8473



8.5251, 14.0157, 0.0000

Square

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



27.2258, 14.0157, 48.8473



22.4204, 14.0157, 0.4493



5.2027, 14.0157, 2.2242



7.0928, 14.0157, 71.4092

Rectangle

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



27.2258, 14.0157, 48.8473



30.5069, 14.0157, 7.5033



5.2027, 14.0157, 2.2242



4.2239, 14.0157, 27.0841

Sweetspot

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



27.2264, 14.0163, 48.8476



69.7236, 60.1243, 94.1565



11.1500, 6.5897, 48.2614



14.5579, 12.1440, 20.1193



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.2264, 14.0163, 48.8476



46.9478, 22.4598, 88.0870



25.3289, 13.6366, 21.7201



9.8398, 9.6498, 12.0162



17.5677, 8.3425, 33.0773



0.7140, 0.3401, 1.2969

Inverse Universe

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



22.0523, 12.3260, 4.4662



37.9497, 19.6919, 3.1477



20.9876, 37.2607, 17.6420



9.5654, 9.5504, 10.1002



14.2047, 7.3130, 1.1057



0.5687, 0.2914, 0.1083

Previews

White Background



This preview shows how the XYZ color 27.2258, 14.0157, 48.8473 looks on a white 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

Black Background



This preview shows how the XYZ color 27.2258, 14.0157, 48.8473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

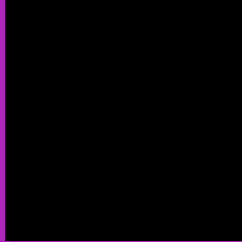
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.2258, 14.0157, 48.8473

Background



This preview shows how black text looks on a background with the XYZ color 27.2258, 14.0157, 48.8473.



This preview shows how white text looks on a background with the XYZ color 27.2258, 14.0157,

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

27.2258, 14.0157, 48.8473

Protanopia

17.1460, 14.4606, 66.8532

Deuteranopia

14.7655, 14.3346, 44.1081



Tritanopia

19.4487, 14.0906, 10.4988

Trichromacy



Original Color

27.2258, 14.0157, 48.8473



Protanomaly

15.9865, 11.1050, 59.6934



Deuteranomaly

16.4229, 11.8589, 45.6794



Tritanomaly

21.1913, 13.3176, 20.1925

Monochromacy



Original Color

27.2258, 14.0157, 48.8473



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

14.7907, 10.9022, 22.0937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2258, 14.0157, 48.8473 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(174, 38, 188)` looks like.

```
.text, #text, p{  
    color:rgb(174, 38, 188)  
}
```

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(174, 38, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 38, 188) }
```

Border

The CSS property to change the border of an element to XYZ 27.2258, 14.0157, 48.8473 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(174, 38, 188) }
```


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

```
.border{ border-color:rgb(174, 38, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 38, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 38, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 38, 188);  
box-shadow:4px 4px 4px 4px rgb(174, 38,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2258, 14.0157, 48.8473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 38, 188) }
```

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

```
.background{ background-color: rgb(174, 38,  
188) }
```

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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