

Converting Colors

XYZ(27.1336, 13.3480, 44.8894)

Have a look what the booklet for
XYZ(27.1336, 13.3480, 44.8894)
contains.

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Color

**XYZ(27.1472, 13.3525,
44.8625)**

Conversions

Conversions Part 1

Format	Color
Hex	B312B5
RGB	179, 18, 181
RGB Percent	70%, 7%, 71%
CMY	0.2980, 0.9294, 0.2902
CMYK	0.01, 0.90, 0.00, 0.29
HSL	299°, 82%, 39%
HSV	299°, 90%, 71%
XYZ	27.1472, 13.3525, 44.8625
YIQ	84.7210, 43.6330, 84.8250

Conversions

Conversions Part 2

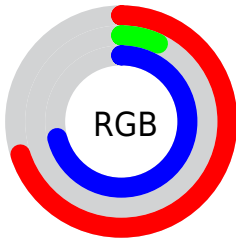
Format	Color
R_{YB}	179, 18, 181
Decimal	11735733
CIE _{Lab}	43.29, 73.72, -46.60
CIE _{LCh}	43, 87.215, 327.703
Yxy	13.3525, 0.3180, 0.1564
Android (android.graphics.Color)	4289925813 (0xFFB312B5)
YUV	84.7210, 47.4655, 82.6827
Hunter-Lab	36.5411, 68.6649, -47.2132

Details

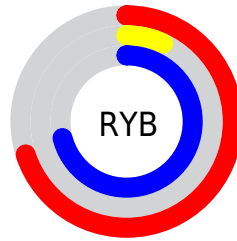
The XYZ color **27.1472, 13.3525, 44.8625** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **16.9220, 33.2404, 6.0970**, and the grayscale version is **8.4760, 8.9174, 9.7110**.

A 20% lighter version of the original color is **54.4336, 31.8324, 84.1642**, and **11.7159, 5.5973, 20.5416** is the 20% darker color. If you saturate the color by 10%, you get **26.8802, 12.8938, 44.7882**, and if you desaturate by 10%, it is **27.6169, 14.2152, 45.0044**.

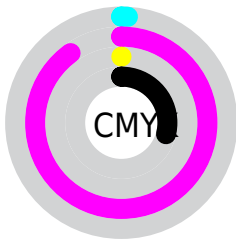
Distribution



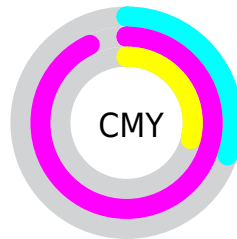
- Red (70%)
- Green (7%)
- Blue (71%)



- Red (70%)
- Yellow (7%)
- Blue (71%)



- Cyan (1%)
- Magenta (90%)
- Yellow (0%)
- Black (29%)





- Cyan (30%)
- Magenta (93%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.1472, 13.3525, 44.8625 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 27.1472, 13.3525, 44.8625 by changing the saturation by 10% instead.

 27.1472, 13.3525,
44.8625


 27.1472, 13.3525,
44.8625


280.5237,
213.1646, 382.3603


 17.8210, 7.6717,
31.0070


 54.5382, 31.9356,
83.8303


 10.9204, 3.8856,
20.3457


 73.3337, 45.6068,
109.7797


 6.0803, 1.6098,
12.4600


 96.0163, 62.7102,
140.5974

 2.9351, 0.3642,
6.9314

 122.9514, 83.6302,
176.7020

 1.1195, 0.0000,
3.3415

 154.5043,
108.7513, 218.5121

 0.0414, 0.0000,
1.2715

 191.0404,

 0.0000, 0.0000,

138.4577, 266.4461

0.0383

232.9251,
173.1341, 320.9227

■ 0.0000, 0.0000,
0.0000

■ 27.1472, 13.3525,
44.8625

■ 27.1472, 13.3525,
44.8625

■ 26.8802, 12.8938,
44.7882

■ 27.6169, 14.2152,
45.0044

■ 28.3631, 15.6313,
45.2384

■ 29.4232, 17.6750,
45.5770

■ 30.8283, 20.4085,
46.0306

■ 32.6057, 23.8866,
46.6083

■ 34.7801, 28.1587,
47.3183

■ 37.3741, 33.2697,
48.1681

■ 40.4085, 39.2613,
49.1646

■ 43.9027, 46.1725,
50.3145

Harmonies

Analogous

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



19.7405, 13.3525, 78.6383



27.1472, 13.3525, 44.8625



30.6044, 13.3525, 16.0818

Triad

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



27.1472, 13.3525, 44.8625



13.2191, 13.3525, 0.0000



4.3131, 13.3525, 39.6063

Complementary

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



27.1472, 13.3525, 44.8625



16.9220, 33.2404, 6.0970

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.



3.6322, 13.3525, 13.0974



27.1472, 13.3525, 44.8625



7.5584, 13.3525, 0.0000

Square

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



27.1472, 13.3525, 44.8625



20.9765, 13.3525, 0.0640



4.5717, 13.3525, 2.3423



6.9376, 13.3525, 74.1310

Rectangle

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



27.1472, 13.3525, 44.8625



29.5295, 13.3525, 5.9050



4.5717, 13.3525, 2.3423



3.9012, 13.3525, 29.0433

Sweetspot

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



27.1477, 13.3531, 44.8628



63.4230, 52.6610, 85.1164



8.8534, 3.9914, 44.0200



13.3946, 10.7651, 18.2941



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.1477, 13.3531, 44.8628



48.1264, 23.0845, 80.2138



21.6820, 11.2206, 13.6515



8.8395, 8.6413, 10.7084



18.5352, 8.8910, 30.8762



0.5864, 0.2814, 0.9716

Inverse Universe

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



19.3990, 10.3074, 1.6295



34.1448, 17.6005, 1.6802



18.9215, 34.0357, 16.8304



8.5005, 8.5069, 8.8678



13.1471, 6.7764, 0.6689



0.4151, 0.2138, 0.0284

Previews

White Background



This preview shows how the XYZ color 27.1472, 13.3525, 44.8625 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 27.1472, 13.3525, 44.8625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

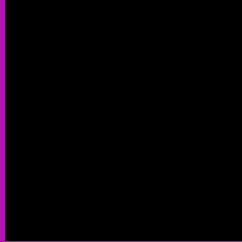
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.1472, 13.3525, 44.8625

Background



This preview shows how black text looks on a background with the XYZ color 27.1472, 13.3525, 44.8625.



This preview shows how white text looks on a background with the XYZ color 27.1472, 13.3525,

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

27.1472, 13.3525, 44.8625

Protanopia

16.4408, 13.8678, 64.0976

Deuteranopia

14.1305, 13.7950, 39.9482



Tritanopia

19.8054, 13.4954, 8.5822

Trichromacy



Original Color

27.1472, 13.3525, 44.8625



Protanomaly

14.9127, 9.7212, 56.3487



Deuteranomaly

15.7314, 10.7641, 41.2929



Tritanomaly

21.3358, 12.4644, 17.5010

Monochromacy



Original Color

27.1472, 13.3525, 44.8625



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

12.6667, 8.6155, 18.7646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1472, 13.3525, 44.8625 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(179, 18, 181)` looks like.

```
.text, #text, p{  
    color:rgb(179, 18, 181)  
}
```

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(179, 18, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 18, 181) }
```

Border

The CSS property to change the border of an element to XYZ 27.1472, 13.3525, 44.8625 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(179, 18, 181) }
```


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

```
.border{ border-color:rgb(179, 18, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 18, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 18, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 18, 181);  
box-shadow:4px 4px 4px 4px rgb(179, 18,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1472, 13.3525, 44.8625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 18, 181) }
```

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

```
.background{ background-color: rgb(179, 18,  
181) }
```

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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