

Converting Colors

XYZ(28.4278, 17.4458, 67.5201)

Have a look what the booklet for
XYZ(28.4278, 17.4458, 67.5201)
contains.

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Color

**XYZ(28.5299, 17.5194,
67.5235)**

Conversions

Conversions Part 1

Format	Color
Hex	9950D9
RGB	153, 80, 217
RGB Percent	60%, 31%, 85%
CMY	0.4000, 0.6863, 0.1490
CMYK	0.29, 0.63, 0.00, 0.15
HSL	272°, 64%, 58%
HSV	272°, 63%, 85%
XYZ	28.5299, 17.5194, 67.5235
YIQ	117.4450, -0.4690, 58.0830

Conversions

Conversions Part 2

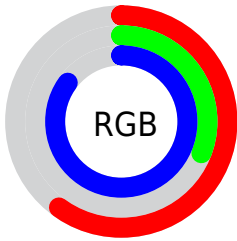
Format	Color
R_{YB}	153, 80, 217
Decimal	10047705
CIE _{Lab}	48.91, 55.00, -58.64
CIE _{LCh}	49, 80.401, 313.165
Yxy	17.5194, 0.2512, 0.1543
Android (android.graphics.Color)	4288237785 (0xFF9950D9)
YUV	117.4450, 49.0806, 31.1817
Hunter-Lab	41.8562, 48.4204, -66.3489

Details

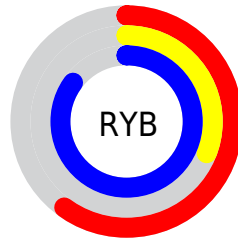
The XYZ color **28.5299, 17.5194, 67.5235** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **37.7627, 56.1345, 16.4346**, and the grayscale version is **16.8997, 17.7798, 19.3622**.

A 20% lighter version of the original color is **53.3015, 37.8439, 99.1031**, and **11.7104, 5.8099, 34.2224** is the 20% darker color. If you saturate the color by 10%, you get **25.3573, 13.8941, 66.9913**, and if you desaturate by 10%, it is **32.3795, 22.2555, 68.2351**.

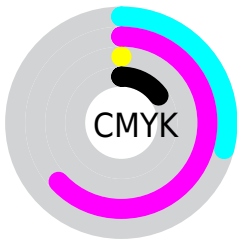
Distribution



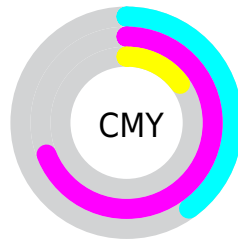
- Red (60%)
- Green (31%)
- Blue (85%)



- Red (60%)
- Yellow (31%)
- Blue (85%)



- Cyan (29%)
- Magenta (63%)
- Yellow (0%)
- Black (15%)



- Cyan (40%)
- Magenta (69%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5299, 17.5194, 67.5235 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 28.5299, 17.5194, 67.5235 by changing the saturation by 10% instead.

■ 28.5299, 17.5194,
67.5235

■ 28.5299, 17.5194,
67.5235

287.0248,
238.1480, 470.3580

■ 18.8680, 10.6055,
49.0459

■ 56.7321, 39.2167,
117.3180

■ 11.6784, 5.8022,
34.2900

■ 76.0031, 54.7688,
149.4719

■ 6.5957, 2.7252,
22.8373

■ 99.2078, 73.9692,
187.0218

■ 3.2546, 0.9900,
14.2693

■ 126.7116, 97.2022,
230.3860

■ 1.2898, 0.0000,
8.1673

■ 158.8798,
124.8521, 279.9833

■ 0.1756, 0.0000,
4.1129

196.0779,

■ 0.0000, 0.0000,

157.3035, 336.2320

1.6875

238.6711,
194.9407, 399.5507

■ 0.0000, 0.0000,
0.3521

■ 0.0000, 0.0000,
0.0000

■ 28.5299, 17.5194,
67.5235

■ 28.5299, 17.5194,
67.5235

■ 25.3573, 13.8941,
66.9913

■ 32.3795, 22.2555,
68.2351

■ 22.8038, 11.2728,
66.6199

■ 36.9523, 28.1916,
69.1399

■ 20.8040, 9.5296,
66.3888

■ 42.2926, 35.4101,
70.2517

■ 19.6778, 8.6975,
66.2876

■ 48.4401, 43.9850,
71.5828

■ 55.4316, 53.9847,
73.1445

■ 63.3016, 65.4730,
74.9471

■ 72.0824, 78.5095,
77.0006

■ 81.8046, 93.1508,
79.3143

■ 85.6746, 95.8051,
79.6226

Harmonies

Analogous

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



20.1400, 17.5194, 93.6465



28.5299, 17.5194, 67.5235



34.5185, 17.5194, 33.6325

Triad

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



28.5299, 17.5194, 67.5235



21.1650, 17.5194, 0.5151



6.2197, 17.5194, 30.0556

Complementary

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



28.5299, 17.5194, 67.5235



37.7627, 56.1345, 16.4346

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.



6.3440, 17.5194, 9.4740



28.5299, 17.5194, 67.5235



13.5913, 17.5194, 0.4220

Square

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



28.5299, 17.5194, 67.5235



29.4709, 17.5194, 2.5083



8.6349, 17.5194, 2.0570



8.2221, 17.5194, 63.2908

Rectangle

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



28.5299, 17.5194, 67.5235



35.4922, 17.5194, 16.8945



8.6349, 17.5194, 2.0570



6.0372, 17.5194, 21.4369

Sweetspot

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



28.5307, 17.5200, 67.5239



73.6519, 68.8452, 104.0143



26.1455, 27.3405, 69.5452



15.1611, 13.8776, 22.1295



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.



28.5307, 17.5200, 67.5239



35.1360, 18.5212, 96.3308



43.7137, 25.3812, 66.6947



12.9979, 12.9570, 16.4680



12.0350, 5.3285, 40.1326



0.8788, 0.3963, 2.6046

Inverse Universe

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



36.5183, 22.5031, 28.8044



48.5650, 26.8771, 32.2191



29.6553, 51.9451, 16.5032



13.3079, 13.1523, 14.8827



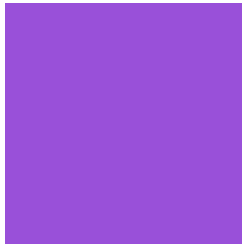
18.8075, 9.5240, 8.6322



1.2617, 0.6343, 0.7871

Previews

White Background



This preview shows how the XYZ color 28.5299, 17.5194, 67.5235 looks on a white background.

Color Contrast Check

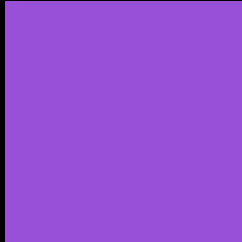
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5299, 17.5194, 67.5235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

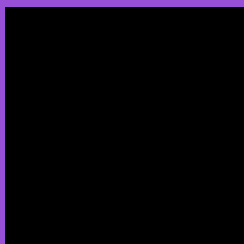
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.5299, 17.5194, 67.5235

Background



This preview shows how black text looks on a background with the XYZ color 28.5299, 17.5194, 67.5235.



This preview shows how white text looks on a background with the XYZ color 28.5299, 17.5194,

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

28.5299, 17.5194, 67.5235

Protanopia

21.2268, 17.7614, 83.1984

Deuteranopia

18.2365, 17.6889, 62.7747



Tritanopia

18.7303, 17.3962, 19.5101

Trichromacy



Original Color

28.5299, 17.5194, 67.5235



Protanomaly

20.4710, 15.6683, 76.8083



Deuteranomaly

19.1487, 15.8474, 64.3370



Tritanomaly

21.3557, 16.8192, 32.6927

Monochromacy



Original Color

28.5299, 17.5194, 67.5235



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

19.9060, 16.9464, 32.3588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5299, 17.5194, 67.5235 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(153, 80, 217)` looks like.

```
.text, #text, p{  
    color:rgb(153, 80, 217)  
}
```

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(153, 80, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 80, 217) }
```

Border

The CSS property to change the border of an element to XYZ 28.5299, 17.5194, 67.5235 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(153, 80, 217) }
```


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

```
.border{ border-color:rgb(153, 80, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 80, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 80, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 80, 217);  
box-shadow:4px 4px 4px 4px rgb(153, 80,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5299, 17.5194, 67.5235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 80, 217) }
```

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

```
.background{ background-color: rgb(153, 80,  
217) }
```

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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