

Converting Colors

XYZ(28.0868, 13.7132, 50.8968)

Have a look what the booklet for
XYZ(28.0868, 13.7132, 50.8968)
contains.

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Color

**XYZ(28.0908, 13.7034,
51.0336)**

Conversions

Conversions Part 1

Format	Color
Hex	B212C0
RGB	178, 18, 192
RGB Percent	70%, 7%, 75%
CMY	0.3020, 0.9294, 0.2471
CMYK	0.07, 0.91, 0.00, 0.25
HSL	295°, 83%, 41%
HSV	295°, 91%, 75%
XYZ	28.0908, 13.7034, 51.0336
YIQ	85.6760, 39.5060, 88.0340

Conversions

Conversions Part 2

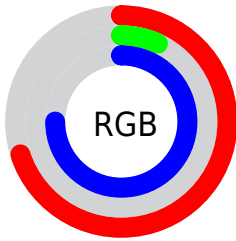
Format	Color
RYB	178, 18, 192
Decimal	11670208
CIELab	43.80, 75.27, -52.24
CIELCh	44, 91.628, 325.237
Yxy	13.7034, 0.3026, 0.1476
Android (android.graphics.Color)	4289860288 (0xFFB212C0)
YUV	85.6760, 52.4177, 80.9681
Hunter-Lab	37.0181, 70.6712, -55.8252

Details

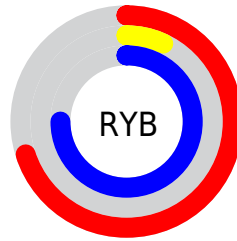
The XYZ color **28.0908, 13.7034, 51.0336** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed purple. A complement of this color would be **19.5551, 38.0504, 6.8867**, and the grayscale version is **8.6658, 9.1170, 9.9285**.

A 20% lighter version of the original color is **56.1859, 32.6710, 92.9673**, and **12.3332, 5.8280, 24.5197** is the 20% darker color. If you saturate the color by 10%, you get **27.5440, 13.1003, 50.9462**, and if you desaturate by 10%, it is **28.8996, 14.7912, 51.2011**.

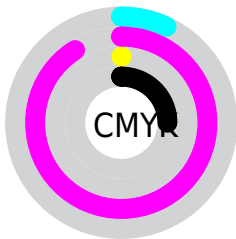
Distribution



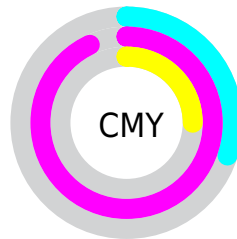
- Red (70%)
- Green (7%)
- Blue (75%)



- Red (70%)
- Yellow (7%)
- Blue (75%)



- Cyan (7%)
- Magenta (91%)
- Yellow (0%)
- Black (25%)





- Cyan (30%)
- Magenta (93%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.0908, 13.7034, 51.0336 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 28.0908, 13.7034, 51.0336 by changing the saturation by 10% instead.


 28.0908, 13.7034,
51.0336


 28.0908, 13.7034,
51.0336


284.9728,
215.3778, 407.5446


 18.5349, 7.9147,
35.8584


 56.0370, 32.5618,
93.1164

 11.4367, 4.0404,
24.0361


 75.1580, 46.4003,
120.8612


 6.4308, 1.6962,
15.1479


 98.1982, 63.6908,
153.6329

 3.1519, 0.4212,
8.7755

 125.5228, 84.8178,
191.8501

 1.2346, 0.0000,
4.5002

 157.4972,
110.1655, 235.9313

 0.1334, 0.0000,
1.9036

 194.4867,

 0.0000, 0.0000,

140.1185, 286.2951

0.4950

236.8568,
175.0612, 343.3600

■ 0.0000, 0.0000,
0.0000

■ 28.0908, 13.7034,
51.0336

■ 28.0908, 13.7034,
51.0336

■ 27.5440, 13.1003,
50.9462

■ 28.8996, 14.7912,
51.2011

■ 30.0262, 16.5093,
51.4734

■ 31.5144, 18.9444,
51.8650

■ 33.4005, 22.1696,
52.3881

■ 35.7165, 26.2485,
53.0533

■ 38.4912, 31.2387,
53.8703

■ 41.7506, 37.1924,
54.8477

■ 45.5191, 44.1581,
55.9936

■ 49.8191, 52.1808,
57.3155

Harmonies

Analogous

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



19.8891, 13.7034, 87.5718



28.0908, 13.7034, 51.0336



32.3474, 13.7034, 18.4734

Triad

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



28.0908, 13.7034, 51.0336



14.2124, 13.7034, 0.0000



4.0679, 13.7034, 39.1169

Complementary

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



28.0908, 13.7034, 51.0336



19.5551, 38.0504, 6.8867

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.



3.5076, 13.7034, 11.8554



28.0908, 13.7034, 51.0336



7.9551, 13.7034, 0.0000

Square

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



28.0908, 13.7034, 51.0336



22.6574, 13.7034, 0.0176



4.6222, 13.7034, 1.7913



6.6020, 13.7034, 77.2583

Rectangle

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



28.0908, 13.7034, 51.0336



31.5467, 13.7034, 6.7183



4.6222, 13.7034, 1.7913



3.6944, 13.7034, 28.0058

Sweetspot

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



28.0914, 13.7040, 51.0339



71.5271, 59.8444, 98.1415



10.2946, 4.9954, 50.2910



14.9326, 12.0891, 20.9317



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.0914, 13.7040, 51.0339



49.8063, 23.6846, 92.3068



25.3151, 12.9837, 18.7845



10.4148, 10.2050, 12.7057



18.5651, 8.8311, 34.2827



0.8262, 0.3940, 1.4824

Inverse Universe

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



22.2157, 11.7440, 2.4634



39.5157, 20.3564, 2.5133



20.9666, 38.5750, 16.1275



10.1054, 10.0908, 10.6454



14.6997, 7.5696, 1.0646



0.6466, 0.3317, 0.1065

Previews

White Background



This preview shows how the XYZ color 28.0908, 13.7034, 51.0336 looks on a white background.

Color Contrast Check

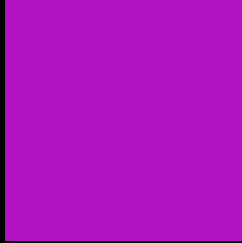
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0908, 13.7034, 51.0336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

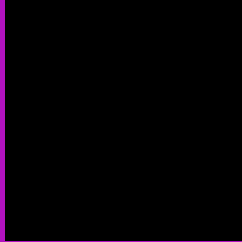
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.0908, 13.7034, 51.0336

Background



This preview shows how black text looks on a background with the XYZ color 28.0908, 13.7034, 51.0336.



This preview shows how white text looks on a background with the XYZ color 28.0908, 13.7034,

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

28.0908, 13.7034, 51.0336

Protanopia

16.7913, 14.1624, 65.4669

Deuteranopia

14.6212, 14.2251, 45.6912



Tritanopia

19.6939, 13.9163, 9.6308

Trichromacy



Original Color

28.0908, 13.7034, 51.0336



Protanomaly

15.5738, 10.0865, 59.5186



Deuteranomaly

15.8218, 10.7800, 47.1458



Tritanomaly

21.5046, 12.7795, 19.7456

Monochromacy



Original Color

28.0908, 13.7034, 51.0336



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

12.9782, 8.7401, 20.4050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0908, 13.7034, 51.0336 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(178, 18, 192)` looks like.

```
.text, #text, p{  
    color:rgb(178, 18, 192)  
}
```

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(178, 18, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 18, 192) }
```

Border

The CSS property to change the border of an element to XYZ 28.0908, 13.7034, 51.0336 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(178, 18, 192) }
```


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

```
.border{ border-color:rgb(178, 18, 192) }
```

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

Here you see how a box with a 4 pixel rgb(178, 18, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 18, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 18, 192);  
box-shadow:4px 4px 4px 4px rgb(178, 18,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0908, 13.7034, 51.0336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 18, 192) }
```

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

```
.background{ background-color: rgb(178, 18,  
192) }
```

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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