

Converting Colors

XYZ(28.1456, 18.8998, 45.2580)

Have a look what the booklet for
XYZ(28.1456, 18.8998, 45.2580)
contains.

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Color

**XYZ(28.1728, 18.8751,
45.3384)**

Conversions

Conversions Part 1

Format	Color
Hex	A959B4
RGB	169, 89, 180
RGB Percent	66%, 35%, 71%
CMY	0.3372, 0.6510, 0.2941
CMYK	0.06, 0.51, 0.00, 0.29
HSL	293°, 38%, 53%
HSV	293°, 51%, 71%
XYZ	28.1728, 18.8751, 45.3384
YIQ	123.2940, 18.4690, 45.2610

Conversions

Conversions Part 2

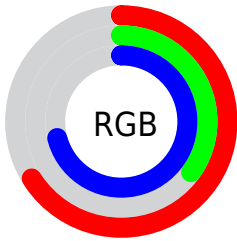
Format	Color
R_{YB}	169, 89, 180
Decimal	11098548
CIE _{Lab}	50.54, 46.56, -34.62
CIE _{LCh}	51, 58.024, 323.366
Yxy	18.8751, 0.3049, 0.2043
Android (android.graphics.Color)	4289288628 (0xFFA959B4)
YUV	123.2940, 27.9561, 40.0842
Hunter-Lab	43.4455, 39.7211, -31.4614

Details

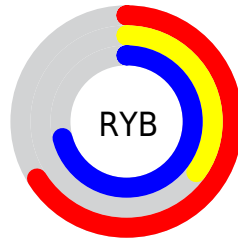
The XYZ color **28.1728, 18.8751, 45.3384** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.3806, 36.0736, 15.1827**, and the grayscale version is **18.8307, 19.8114, 21.5746**.

A 20% lighter version of the original color is **56.1774, 41.5709, 84.4200**, and **11.5626, 6.5003, 20.7239** is the 20% darker color. If you saturate the color by 10%, you get **26.3913, 15.9988, 44.8774**, and if you desaturate by 10%, it is **30.3296, 22.4894, 45.9226**.

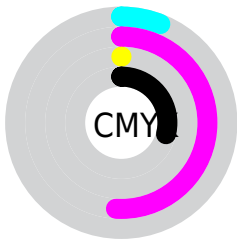
Distribution



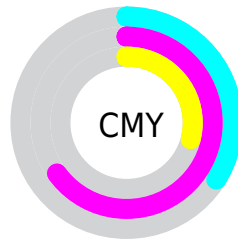
- Red (66%)
- Green (35%)
- Blue (71%)



- Red (66%)
- Yellow (35%)
- Blue (71%)



- Cyan (6%)
- Magenta (51%)
- Yellow (0%)
- Black (29%)



- Cyan (34%)
- Magenta (65%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1728, 18.8751, 45.3384 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 28.1728, 18.8751, 45.3384 by changing the saturation by 10% instead.

■ 28.1728, 18.8751,
45.3384

■ 28.1728, 18.8751,
45.3384

285.3568,
245.7584, 384.3424

■ 18.5971, 11.5801,
31.3792

■ 56.1669, 41.5229,
84.5518

■ 11.4818, 6.4584,
20.6269

■ 75.3160, 57.6445,
110.6431

■ 6.4615, 3.1258,
12.6629

■ 98.3870, 77.4771,
141.6154

■ 3.1710, 1.1977,
7.0689

■ 125.7451,
101.4050, 177.8874

■ 1.2448, 0.0599,
3.4261

157.7558,
129.8127, 219.8775

■ 0.1413, 0.0000,
1.3161

194.7845,

■ 0.0000, 0.0000,

163.0846, 268.0044

0.0749

237.1963,
201.6050, 322.6865

■ 0.0000, 0.0000,
0.0000

■ 28.1728, 18.8751,
45.3384

■ 28.1728, 18.8751,
45.3384

■ 26.3913, 15.9988,
44.8774

■ 30.3296, 22.4894,
45.9226

■ 24.9559, 13.8037,
44.5294

■ 32.8841, 26.8881,
46.6370

■ 23.8362, 12.2287,
44.2844

■ 35.8595, 32.1168,
47.4894

■ 22.9957, 11.2007,
44.1302

■ 39.2762, 38.2166,
48.4868

■ 22.3867, 10.5891,
44.0443

■ 43.1537, 45.2262,
49.6354

■ 47.5101, 53.1817,
50.9413

■ 52.3625, 62.1174,
52.4104

■ 57.7273, 72.0659,
54.0479

■ 63.6199, 83.0581,
55.8590

Harmonies

Analogous

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



22.6143, 18.8751, 64.5242



28.1728, 18.8751, 45.3384



31.0743, 18.8751, 24.3685

Triad

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



28.1728, 18.8751, 45.3384



19.2276, 18.8751, 2.5326



9.6864, 18.8751, 35.5659

Complementary

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



28.1728, 18.8751, 45.3384



23.3806, 36.0736, 15.1827

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.



9.1527, 18.8751, 17.1559



28.1728, 18.8751, 45.3384



13.9591, 18.8751, 3.1598

Square

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



28.1728, 18.8751, 45.3384



25.2529, 18.8751, 4.3105



10.5445, 18.8751, 6.9955



12.1960, 18.8751, 57.1047

Rectangle

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



28.1728, 18.8751, 45.3384



30.7552, 18.8751, 14.1530



10.5445, 18.8751, 6.9955



9.2952, 18.8751, 28.6363

Sweetspot

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



28.1735, 18.8759, 45.3388



68.2000, 63.8912, 87.0323



17.0255, 14.7533, 45.1306



14.4655, 13.3189, 18.7306



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.



28.1735, 18.8759, 45.3388



47.4263, 28.3400, 81.2651



27.6331, 18.9439, 29.6540



8.7469, 8.5936, 10.7040



15.6622, 7.4099, 30.7418



0.5211, 0.2477, 0.9686

Inverse Universe

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



24.6956, 17.7690, 14.1856



40.6616, 26.2607, 17.3350



23.9774, 36.1811, 24.2525



8.5368, 8.5214, 9.0591



13.2501, 6.8176, 1.2112



0.4302, 0.2198, 0.1083

Previews

White Background



This preview shows how the XYZ color 28.1728, 18.8751, 45.3384 looks on a white background.

Color Contrast Check

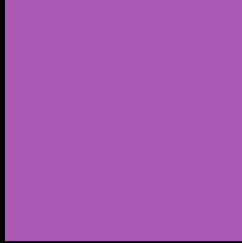
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1728, 18.8751, 45.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

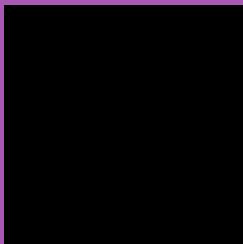
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.1728, 18.8751, 45.3384

Background



This preview shows how black text looks on a background with the XYZ color 28.1728, 18.8751, 45.3384.



This preview shows how white text looks on a background with the XYZ color 28.1728, 18.8751,

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

28.1728, 18.8751, 45.3384

Protanopia

21.0652, 19.2036, 60.3540

Deuteranopia

19.5020, 19.1416, 42.7112



Tritanopia

22.5294, 18.7690, 18.0581

Trichromacy



Original Color

28.1728, 18.8751, 45.3384



Protanomaly

22.1609, 18.0783, 54.5460



Deuteranomaly

21.6173, 18.3570, 43.4782



Tritanomaly

24.0815, 18.5164, 25.9717

Monochromacy



Original Color

28.1728, 18.8751, 45.3384



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

21.5337, 18.9579, 28.9099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1728, 18.8751, 45.3384 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(169, 89, 180)` looks like.

```
.text, #text, p{  
    color:rgb(169, 89, 180)  
}
```

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(169, 89, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 89, 180) }
```

Border

The CSS property to change the border of an element to XYZ 28.1728, 18.8751, 45.3384 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(169, 89, 180) }
```


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

```
.border{ border-color:rgb(169, 89, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 89, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 89, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 89, 180); box-shadow:4px 4px 4px 4px rgb(169, 89, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1728, 18.8751, 45.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 89, 180) }
```

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

```
.background{ background-color: rgb(169, 89,  
180) }
```

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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