

Converting Colors

XYZ(28.1885, 18.5324, 11.6555)

Have a look what the booklet for
XYZ(28.1885, 18.5324, 11.6555)
contains.

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Color

**XYZ(28.2673, 18.6176,
11.7766)**

Conversions

Conversions Part 1

Format	Color
Hex	C7505A
RGB	199, 80, 90
RGB Percent	78%, 31%, 35%
CMY	0.2196, 0.6862, 0.6471
CMYK	0.00, 0.60, 0.55, 0.22
HSL	355°, 52%, 55%
HSV	355°, 60%, 78%
XYZ	28.2673, 18.6176, 11.7766
YIQ	116.7210, 67.7140, 28.3380

Conversions

Conversions Part 2

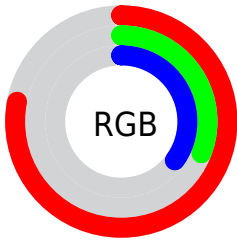
Format	Color
RYB	199, 80, 90
Decimal	13062234
CIELab	50.24, 48.24, 18.91
CIElCh	50, 51.819, 21.404
Yxy	18.6176, 0.4819, 0.3174
Android (android.graphics.Color)	4291252314 (0xFFC7505A)
YUV	116.7210, -13.1735, 72.1587
Hunter-Lab	43.1481, 41.4302, 14.0214

Details

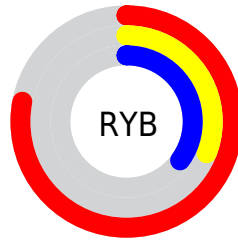
The XYZ color **28.2673, 18.6176, 11.7766** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **32.9181, 46.2268, 55.3352**, and the grayscale version is **16.8477, 17.7251, 19.3026**.

A 20% lighter version of the original color is **54.4987, 40.2036, 29.6986**, and **11.5953, 6.3777, 3.1025** is the 20% darker color. If you saturate the color by 10%, you get **26.3368, 15.8499, 7.7632**, and if you desaturate by 10%, it is **30.8203, 22.3262, 16.9364**.

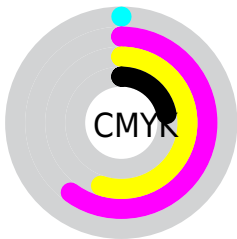
Distribution



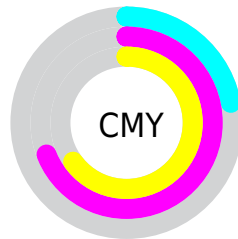
- Red (78%)
- Green (31%)
- Blue (35%)



- Red (78%)
- Yellow (31%)
- Blue (35%)



- Cyan (0%)
- Magenta (60%)
- Yellow (55%)
- Black (22%)




- Cyan (22%)
- Magenta (69%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2673, 18.6176, 11.7766 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 28.2673, 18.6176, 11.7766 by changing the saturation by 10% instead.


 28.2673, 18.6176,
11.7766


 28.2673, 18.6176,
11.7766


285.7989,
244.3295, 213.8458


 18.6687, 11.3943,
6.4711


 56.3166, 41.0869,
29.7459


 11.5337, 6.3327,
3.0602


 75.4980, 57.1017,
43.2467


 6.4970, 3.0484,
1.1254


 98.6044, 76.8158,
60.3163

 3.1931, 1.1571,
0.0000

 126.0012,
100.6136, 81.3733

 1.2567, 0.0262,
0.0000

 158.0537,
128.8795, 106.8362

 0.1504, 0.0000,
0.0000

195.1272,

 0.0000, 0.0000,

161.9978, 137.1236

0.0000

237.5872,
200.3530, 172.6539

■ 28.2673, 18.6176,
11.7766

■ 28.2673, 18.6176,
11.7766

■ 26.3368, 15.8499,
7.7632

■ 30.8203, 22.3262,
16.9364

■ 24.9741, 13.9357,
4.8077

■ 34.0419, 27.0468,
23.3204

■ 24.1168, 12.7765,
2.8097

■ 37.9751, 32.8474,
31.0003

■ 23.6594, 12.1916,
1.6401

■ 42.6591, 39.7889,
40.0422

■ 23.6520, 12.1816,
1.6233

■ 48.1302, 47.9279,
50.5079

■ 54.4224, 57.3172,
62.4549

■ 61.5675, 68.0064,
75.9381

■ 69.5958, 80.0425,
91.0090

■ 77.2119, 90.8216,
107.2759

Harmonies

Analogous

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



29.0343, 18.6176, 24.6818



28.2673, 18.6176, 11.7766



24.4123, 18.6176, 5.4489

Triad

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



28.2673, 18.6176, 11.7766



11.1827, 18.6176, 7.4702



16.2941, 18.6176, 61.6275

Complementary

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



28.2673, 18.6176, 11.7766



32.9181, 46.2268, 55.3352

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.



12.3397, 18.6176, 50.3905



28.2673, 18.6176, 11.7766



9.7760, 18.6176, 16.4204

Square

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



28.2673, 18.6176, 11.7766



14.4070, 18.6176, 3.9052



10.1554, 18.6176, 32.1013



21.4498, 18.6176, 58.3441

Rectangle

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



28.2673, 18.6176, 11.7766



20.9493, 18.6176, 3.7530



10.1554, 18.6176, 32.1013



14.7973, 18.6176, 59.2849

Sweetspot

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



28.2678, 18.6186, 11.7769



76.0695, 71.7118, 72.7533



33.6960, 20.4393, 56.2018



15.7203, 14.5152, 14.4931



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.



28.2678, 18.6186, 11.7769



45.2317, 26.5027, 11.7098



32.6689, 28.0566, 11.2844



10.6694, 10.6512, 11.2425



15.2225, 7.8386, 1.1158



0.7336, 0.3763, 0.1201

Inverse Universe

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



28.2678, 18.6186, 11.7769



45.2317, 26.5027, 11.7098



24.7491, 28.0923, 58.1505



10.6694, 10.6512, 11.2425



15.2225, 7.8386, 1.1158



0.7336, 0.3763, 0.1201

Previews

White Background



This preview shows how the XYZ color 28.2673, 18.6176, 11.7766 looks on a white background.

Color Contrast Check

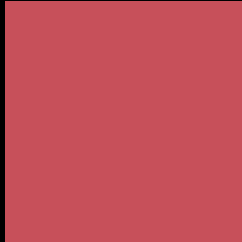
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2673, 18.6176, 11.7766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

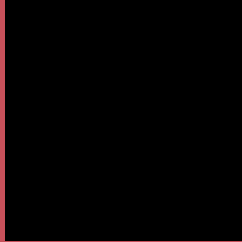
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.2673, 18.6176, 11.7766

Background



This preview shows how black text looks on a background with the XYZ color 28.2673, 18.6176, 11.7766.

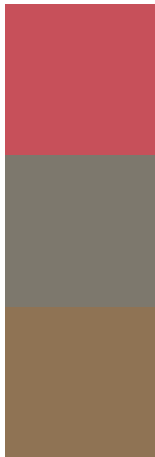


This preview shows how white text looks on a background with the XYZ color 28.2673, 18.6176,

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

28.2673, 18.6176, 11.7766

Protanopia

17.9342, 18.8970, 17.1703

Deuteranopia

19.0587, 18.7412, 11.0004



Tritanopia

28.1753, 18.6989, 10.9283

Trichromacy



Original Color

28.2673, 18.6176, 11.7766

Protanomaly

20.3987, 17.7379, 14.9190

Deuteranomaly

21.5353, 17.9612, 11.1359

Tritanomaly

28.2159, 18.7151, 11.1421

Monochromacy



Original Color

28.2673, 18.6176, 11.7766

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

19.6368, 17.1652, 16.1882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2673, 18.6176, 11.7766 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(199, 80, 90)` looks like.

```
.text, #text, p{  
    color:rgb(199, 80, 90)  
}
```

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(199, 80, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 80, 90) }
```

Border

The CSS property to change the border of an element to XYZ 28.2673, 18.6176, 11.7766 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(199, 80, 90) }
```


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

```
.border{ border-color:rgb(199, 80, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 80, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 80, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 80, 90);  
box-shadow:4px 4px 4px 4px rgb(199, 80,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2673, 18.6176, 11.7766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 80, 90) }
```

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

```
.background{ background-color: rgb(199, 80,  
90) }
```

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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