

Converting Colors

XYZ(28.3117, 18.2111, 6.7609)

Have a look what the booklet for
XYZ(28.3117, 18.2111, 6.7609)
contains.

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Color

**XYZ(28.3151, 18.2284,
6.7287)**

Conversions

Conversions Part 1

Format	Color
Hex	CC4B3F
RGB	204, 75, 63
RGB Percent	80%, 29%, 25%
CMY	0.2000, 0.7059, 0.7529
CMYK	0.00, 0.63, 0.69, 0.20
HSL	5°, 58%, 52%
HSV	5°, 69%, 80%
XYZ	28.3151, 18.2284, 6.7287
YIQ	112.2030, 80.7360, 23.6160

Conversions

Conversions Part 2

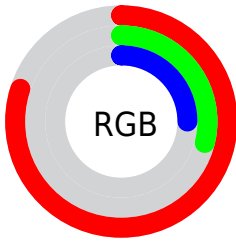
Format	Color
R_{YB}	204, 76, 63
Decimal	13388607
CIE Lab	49.77, 50.44, 34.33
CIE LCh	50, 61.010, 34.240
Yxy	18.2284, 0.5315, 0.3422
Android (android.graphics.Color)	4291578687 (0xFFCC4B3F)
YUV	112.2030, -24.2571, 80.5060
Hunter-Lab	42.6947, 43.6652, 20.5422

Details

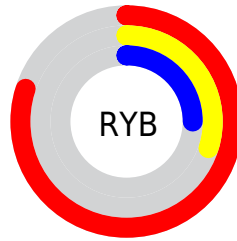
The XYZ color **28.3151, 18.2284, 6.7287** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **31.7968, 43.1121, 63.7719**, and the grayscale version is **15.5140, 16.3219, 17.7746**.

A 20% lighter version of the original color is **51.9595, 38.1082, 19.6560**, and **11.5767, 6.1496, 1.1929** is the 20% darker color. If you saturate the color by 10%, you get **26.7614, 15.8707, 3.9002**, and if you desaturate by 10%, it is **30.4520, 21.4150, 10.7935**.

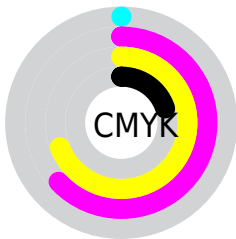
Distribution



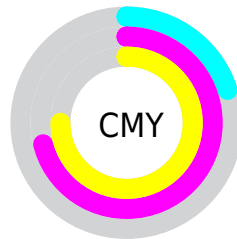
- Red (80%)
- Green (29%)
- Blue (25%)



- Red (80%)
- Yellow (30%)
- Blue (25%)



- Cyan (0%)
- Magenta (63%)
- Yellow (69%)
- Black (20%)





- Cyan (20%)
- Magenta (71%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3151, 18.2284, 6.7287 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 28.3151, 18.2284, 6.7287 by changing the saturation by 10% instead.


 28.3151, 18.2284,
6.7287


 28.3151, 18.2284,
6.7287


286.0224,
242.1553, 174.9345


 18.7050, 11.1141,
3.2172


 56.3923, 40.4261,
19.9288


 11.5600, 6.1436,
1.2066


 75.5900, 56.2783,
30.4544

 6.5149, 2.9326,
0.0000


 98.7144, 75.8120,
44.1552

 3.2042, 1.0967,
0.0000

 126.1306, 99.4114,
61.4496

 1.2627, 0.0000,
0.0000

 158.2042,
127.4611, 82.7562

 0.1550, 0.0000,
0.0000

 195.3005,

 0.0000, 0.0000,

160.3454, 108.4935

0.0000

237.7847,
198.4486, 139.0801

■ 28.3151, 18.2284,
6.7287

■ 28.3151, 18.2284,
6.7287

■ 26.7614, 15.8707,
3.9002

■ 30.4520, 21.4150,
10.7935

■ 25.7314, 14.2620,
2.1659

■ 33.2213, 25.4948,
16.2137

■ 25.1447, 13.3076,
1.2951

■ 36.6683, 30.5292,
23.0955

■ 25.1079, 13.2498,
1.2341

■ 40.8337, 36.5733,
31.5341

■ 45.7553, 43.6781,
41.6167

■ 51.4680, 51.8910,
53.4242

■ 58.0044, 61.2567,
67.0320

■ 65.3956, 71.8172,
82.5111

■ 73.6709, 83.6127,
99.9286

Harmonies

Analogous

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



31.0458, 18.2284, 17.5719



28.3151, 18.2284, 6.7287



22.6556, 18.2284, 2.7182

Triad

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



28.3151, 18.2284, 6.7287



9.0779, 18.2284, 8.9270



18.1659, 18.2284, 72.0007

Complementary

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



28.3151, 18.2284, 6.7287



31.7968, 43.1121, 63.7719

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.



12.9048, 18.2284, 64.9364



28.3151, 18.2284, 6.7287



8.3934, 18.2284, 22.3118

Square

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



28.3151, 18.2284, 6.7287



11.7631, 18.2284, 3.3974



9.6261, 18.2284, 43.8795



24.4121, 18.2284, 59.8548

Rectangle

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



28.3151, 18.2284, 6.7287



18.4725, 18.2284, 1.9918



9.6261, 18.2284, 43.8795



16.2271, 18.2284, 71.8261

Sweetspot

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



28.3155, 18.2294, 6.7290



73.9094, 69.6458, 65.0838



36.2213, 20.2092, 52.0059



15.3207, 14.1872, 12.9069



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.



28.3155, 18.2294, 6.7290



43.3713, 24.8146, 4.8231



35.9625, 33.5234, 9.2780



11.2878, 11.3646, 11.6781



15.8321, 8.3972, 0.7864



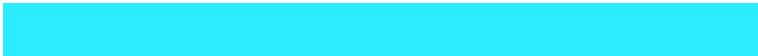
0.8439, 0.4875, 0.0496

Inverse Universe

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



31.7968, 43.1121, 63.7719



49.3382, 68.2957, 105.1897



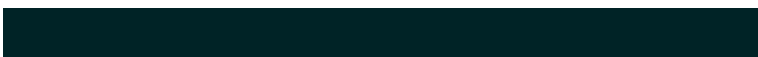
19.8779, 19.2742, 59.7989



11.4584, 12.5572, 14.3902



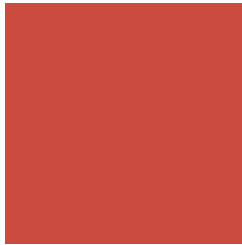
18.0291, 25.0821, 39.8474



0.9547, 1.3432, 2.0639

Previews

White Background



This preview shows how the XYZ color 28.3151, 18.2284, 6.7287 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 28.3151, 18.2284, 6.7287 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 28.3151, 18.2284, 6.7287

Background



This preview shows how black text looks on a background with the XYZ color 28.3151, 18.2284, 6.7287.



This preview shows how white text looks on a background with the XYZ color 28.3151, 18.2284,

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

28.3151, 18.2284, 6.7287

Protanopia

17.0614, 18.4253, 10.0543

Deuteranopia

18.6516, 18.2988, 6.2904



Tritanopia

28.8989, 18.2800, 9.0264

Trichromacy



Original Color

28.3151, 18.2284, 6.7287

Protanomaly

19.7631, 17.2495, 8.5912

Deuteranomaly

21.3997, 17.5643, 6.4000

Tritanomaly

28.7953, 18.3446, 8.1541

Monochromacy



Original Color

28.3151, 18.2284, 6.7287

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

18.1593, 15.7516, 12.6729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3151, 18.2284, 6.7287 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(204, 75, 63)` looks like.

```
.text, #text, p{  
    color:rgb(204, 75, 63)  
}
```

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(204, 75, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 75, 63) }
```

Border

The CSS property to change the border of an element to XYZ 28.3151, 18.2284, 6.7287 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(204, 75, 63) }
```


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

```
.border{ border-color:rgb(204, 75, 63) }
```

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

Here you see how a box with a 4 pixel rgb(204, 75, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 75, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 75, 63);  
box-shadow:4px 4px 4px 4px rgb(204, 75,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3151, 18.2284, 6.7287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 75, 63) }
```

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

```
.background{ background-color: rgb(204, 75,  
63) }
```

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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