

Converting Colors

XYZ(28.3030, 18.2821, 6.4864)

Have a look what the booklet for
XYZ(28.3030, 18.2821, 6.4864)
contains.

XYZ(28.3286, 18.3432, 6.4624)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.3286, 18.3432,
6.4624)**

Conversions

Conversions Part 1

Format	Color
Hex	CC4C3D
RGB	204, 76, 61
RGB Percent	80%, 30%, 24%
CMY	0.2000, 0.7019, 0.7608
CMYK	0.00, 0.63, 0.70, 0.20
HSL	6°, 58%, 52%
HSV	6°, 70%, 80%
XYZ	28.3286, 18.3432, 6.4624
YIQ	112.5620, 81.1030, 22.4710

Conversions

Conversions Part 2

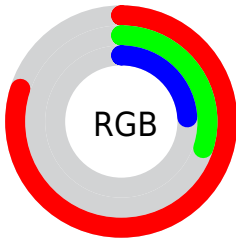
Format	Color
RYB	204, 78, 61
Decimal	13388861
CIELab	49.91, 49.90, 35.62
CIElCh	50, 61.307, 35.525
Yxy	18.3432, 0.5332, 0.3452
Android (android.graphics.Color)	4291578941 (0xFFCC4C3D)
YUV	112.5620, -25.4201, 80.1911
Hunter-Lab	42.8290, 43.1156, 21.0341

Details

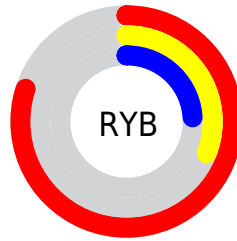
The XYZ color **28.3286, 18.3432, 6.4624** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **31.0194, 41.7435, 63.5488**, and the grayscale version is **15.6232, 16.4368, 17.8997**.

A 20% lighter version of the original color is **51.9829, 38.3294, 19.1265**, and **11.5997, 6.2218, 1.1199** is the 20% darker color. If you saturate the color by 10%, you get **26.7954, 15.9955, 3.7367**, and if you desaturate by 10%, it is **30.4285, 21.4904, 10.4079**.

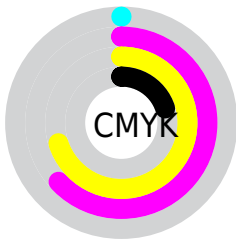
Distribution



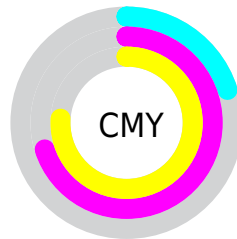
- Red (80%)
- Green (30%)
- Blue (24%)



- Red (80%)
- Yellow (31%)
- Blue (24%)



- Cyan (0%)
- Magenta (63%)
- Yellow (70%)
- Black (20%)





- Cyan (20%)
- Magenta (70%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3286, 18.3432, 6.4624 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 28.3286, 18.3432, 6.4624 by changing the saturation by 10% instead.


 28.3286, 18.3432,
6.4624


 28.3286, 18.3432,
6.4624


286.0855,
242.7984, 172.5766


 18.7152, 11.1967,
3.0549

 56.4136, 40.6213,
19.3773


 11.5675, 6.1993,
1.1228


 75.6160, 56.5216,
29.7219

 6.5200, 2.9666,
0.0000


 98.7454, 76.1086,
43.2159

 3.2074, 1.1143,
0.0000

 126.1672, 99.7668,
60.2779

 1.2644, 0.0000,
0.0000

 158.2467,
127.8805, 81.3264

 0.1563, 0.0000,
0.0000

 195.3494,

 0.0000, 0.0000,

160.8340, 106.7800

0.0000

237.8405,
199.0119, 137.0572

■ 28.3286, 18.3432,
6.4624

■ 28.3286, 18.3432,
6.4624

■ 26.7954, 15.9955,
3.7367

■ 30.4285, 21.4904,
10.4079

■ 25.7715, 14.3720,
2.0870

■ 33.1425, 25.4975,
15.6933

■ 25.1774, 13.3888,
1.2573

■ 36.5145, 30.4224,
22.4252

■ 40.5839, 36.3173,
30.6992

■ 45.3870, 43.2304,
40.6028

■ 50.9575, 51.2066,
52.2168

■ 57.3273, 60.2882,
65.6167

■ 64.5261, 70.5153,
80.8735

■ 72.5823, 81.9257,
98.0544

Harmonies

Analogous

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



31.2553, 18.3432, 17.0191



28.3286, 18.3432, 6.4624



22.5414, 18.3432, 2.6335

Triad

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



28.3286, 18.3432, 6.4624



9.0473, 18.3432, 9.3507



18.5442, 18.3432, 72.5184

Complementary

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



28.3286, 18.3432, 6.4624



31.0194, 41.7435, 63.5488

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.



13.1641, 18.3432, 66.2041



28.3286, 18.3432, 6.4624



8.4404, 18.3432, 23.2495

Square

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



28.3286, 18.3432, 6.4624



11.6642, 18.3432, 3.5249



9.7674, 18.3432, 45.2591



24.8499, 18.3432, 59.5230

Rectangle

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



28.3286, 18.3432, 6.4624



18.3302, 18.3432, 1.9714



9.7674, 18.3432, 45.2591



16.5688, 18.3432, 72.6405

Sweetspot

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



28.3290, 18.3442, 6.4627



74.1654, 70.1578, 65.1692



35.8319, 19.8795, 50.4918



15.3802, 14.3062, 12.9268



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.



28.3290, 18.3442, 6.4627



43.4298, 25.0048, 4.6170



36.1467, 33.9795, 9.0686



11.3055, 11.4000, 11.6840



15.8802, 8.4933, 0.8024



0.8521, 0.5040, 0.0524

Inverse Universe

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



31.0194, 41.7435, 63.5488



47.9598, 65.6938, 104.7602



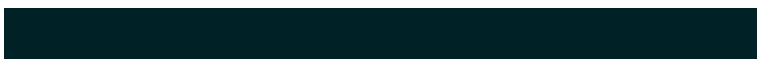
19.3256, 18.3558, 59.6508



11.4388, 12.5180, 14.3837



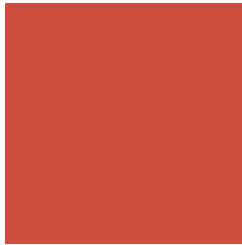
17.5057, 24.0353, 39.6729



0.9327, 1.2991, 2.0565

Previews

White Background



This preview shows how the XYZ color 28.3286, 18.3432, 6.4624 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 28.3286, 18.3432, 6.4624 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 28.3286, 18.3432, 6.4624

Background



This preview shows how black text looks on a background with the XYZ color 28.3286, 18.3432, 6.4624.



This preview shows how white text looks on a background with the XYZ color 28.3286, 18.3432,

6.4624.

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

28.3286, 18.3432, 6.4624

Protanopia

17.1073, 18.4613, 9.4992

Deuteranopia

18.8959, 18.5969, 6.0837



Tritanopia

29.0008, 18.4268, 9.2359

Trichromacy



Original Color

28.3286, 18.3432, 6.4624

Protanomaly

19.8922, 17.3235, 8.2566

Deuteranomaly

21.4441, 17.7346, 6.1638

Tritanomaly

28.8626, 18.4792, 8.1765

Monochromacy



Original Color

28.3286, 18.3432, 6.4624

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

18.4316, 16.0335, 12.7130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3286, 18.3432, 6.4624 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, 76, 61)` looks like.

```
.text, #text, p{  
    color:rgb(204, 76, 61)  
}
```

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, 76, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 76, 61) }
```

Border

The CSS property to change the border of an element to XYZ 28.3286, 18.3432, 6.4624 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, 76, 61) }
```


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

```
.border{ border-color:rgb(204, 76, 61) }
```

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

Here you see how a box with a 4 pixel rgb(204, 76, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 76, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 76, 61);  
box-shadow:4px 4px 4px 4px rgb(204, 76,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3286, 18.3432, 6.4624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 76, 61) }
```

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

```
.background{ background-color: rgb(204, 76,  
61) }
```

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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