

Converting Colors

XYZ(29.8257, 17.9442, 6.9563)

Have a look what the booklet for
XYZ(29.8257, 17.9442, 6.9563)
contains.

XYZ(29.9389, 18.0455, 6.9062)	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(29.9389, 18.0455,
6.9062)**

Conversions

Conversions Part 1

Format	Color
Hex	D44041
RGB	212, 64, 65
RGB Percent	83%, 25%, 25%
CMY	0.1686, 0.7490, 0.7451
CMYK	0.00, 0.70, 0.69, 0.17
HSL	360°, 63%, 54%
HSV	360°, 70%, 83%
XYZ	29.9389, 18.0455, 6.9062
YIQ	108.3660, 87.8870, 31.6870

Conversions

Conversions Part 2

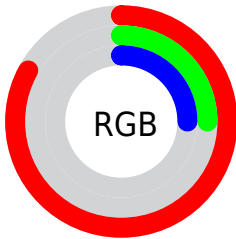
Format	Color
RYB	212, 64, 65
Decimal	13910081
CIELab	49.55, 57.65, 33.26
CIElCh	50, 66.558, 29.980
Yxy	18.0455, 0.5454, 0.3288
Android (android.graphics.Color)	4292100161 (0xFFD44041)
YUV	108.3660, -21.3794, 90.8870
Hunter-Lab	42.4800, 51.4626, 20.0969

Details

The XYZ color **29.9389, 18.0455, 6.9062** 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 **37.4173, 52.8806, 69.8687**, and the grayscale version is **14.3987, 15.1486, 16.4968**.

A 20% lighter version of the original color is **51.0580, 36.1270, 19.9049**, and **12.7225, 6.5420, 1.3512** is the 20% darker color. If you saturate the color by 10%, you get **28.4617, 15.8924, 3.9447**, and if you desaturate by 10%, it is **32.0983, 21.1999, 11.2167**.

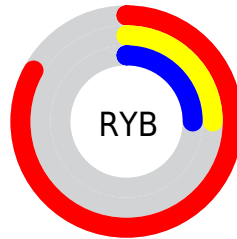
Distribution



Red (83%)

Green (25%)

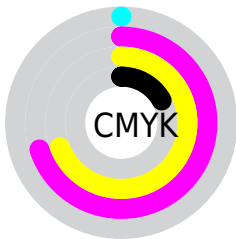
Blue (25%)



Red (83%)

Yellow (25%)

Blue (25%)

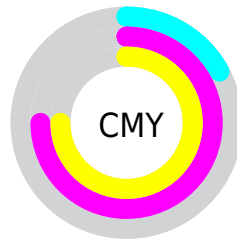


Cyan (0%)

Magenta (70%)

Yellow (69%)

Black (17%)



Cyan (17%)


Magenta (75%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9389, 18.0455, 6.9062 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 29.9389, 18.0455, 6.9062 by changing the saturation by 10% instead.


 29.9389, 18.0455,
6.9062


 29.9389, 18.0455,
6.9062


293.5345,
241.1274, 176.4833


 19.9401, 10.9827,
3.3259


 58.9528, 40.1148,
20.2939


 12.4595, 6.0552,
1.2634


 78.6986, 55.8901,
30.9384


 7.1318, 2.8787,
0.0315


 102.4241, 75.3384,
44.7748

 3.5918, 1.0687,
0.0000

 130.4947, 98.8439,
62.2216

 1.4739, 0.0000,
0.0000

 163.2756,
126.7912, 83.6973

 0.3080, 0.0000,
0.0000

 201.1323,

 0.0000, 0.0000,

159.5646, 109.6204

0.0000

244.4302,
197.5485, 140.4096

■ 29.9389, 18.0455,
6.9062

■ 29.9389, 18.0455,
6.9062

■ 28.4617, 15.8924,
3.9447

■ 32.0983, 21.1999,
11.2167

■ 27.5842, 14.6174,
2.1721

■ 35.0076, 25.4537,
17.0101


■ 27.1657, 14.0099,
1.3248


■ 38.7274, 30.8969,
24.4050


■ 27.1590, 14.0001,
1.3116


■ 43.3120, 37.6091,
33.5078

■ 48.8110, 45.6634,
44.4160

 55.2702, 55.1271,
57.2193

 62.7323, 66.0631,
72.0020

 71.2375, 78.5304,
88.8428

 80.8238, 92.5849,
107.8165

Harmonies

Analogous

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



32.3521, 18.0455, 19.6608



29.9389, 18.0455, 6.9062



23.9587, 18.0455, 2.3130

Triad

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



29.9389, 18.0455, 6.9062



8.6519, 18.0455, 6.8956



17.1474, 18.0455, 78.8179

Complementary

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



29.9389, 18.0455, 6.9062



37.4173, 52.8806, 69.8687

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.



11.7741, 18.0455, 67.6359



29.9389, 18.0455, 6.9062



7.6618, 18.0455, 19.6362

Square

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



29.9389, 18.0455, 6.9062



11.7799, 18.0455, 2.3100



8.6491, 18.0455, 42.5997



23.9494, 18.0455, 67.6640

Rectangle

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



29.9389, 18.0455, 6.9062



19.3483, 18.0455, 1.4565



8.6491, 18.0455, 42.5997



15.1280, 18.0455, 77.4886

Sweetspot

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



29.9393, 18.0466, 6.9065



72.8697, 67.4986, 64.9461



40.1631, 22.0545, 64.4270



15.0797, 13.6895, 12.8749



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.



29.9393, 18.0466, 6.9065



42.4482, 23.0009, 4.4148



36.8162, 31.8458, 9.0584



12.4266, 12.4221, 12.9209



16.7682, 8.6436, 0.8174



1.0126, 0.5218, 0.0557

Inverse Universe

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



29.9393, 18.0466, 6.9065



42.4482, 23.0009, 4.4148



23.4457, 24.7380, 65.8261



12.4266, 12.4221, 12.9209



16.7682, 8.6436, 0.8174



1.0126, 0.5218, 0.0557

Previews

White Background



This preview shows how the XYZ color 29.9389, 18.0455, 6.9062 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 29.9389, 18.0455, 6.9062 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 29.9389, 18.0455, 6.9062

Background



This preview shows how black text looks on a background with the XYZ color 29.9389, 18.0455, 6.9062.



This preview shows how white text looks on a background with the XYZ color 29.9389, 18.0455,

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

29.9389, 18.0455, 6.9062

Protanopia

17.0202, 18.2019, 11.2106

Deuteranopia

18.4977, 18.2167, 6.4121



Tritanopia

29.9979, 18.0691, 7.2168

Trichromacy



Original Color

29.9389, 18.0455, 6.9062

Protanomaly

20.0409, 16.6564, 9.3665

Deuteranomaly

21.4854, 17.0567, 6.4348

Tritanomaly

29.9681, 18.0572, 7.0601

Monochromacy



Original Color

29.9389, 18.0455, 6.9062

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

17.6130, 14.5380, 12.0030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9389, 18.0455, 6.9062 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(212, 64, 65)` looks like.

```
.text, #text, p{  
    color:rgb(212, 64, 65)  
}
```

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(212, 64, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 64, 65) }
```

Border

The CSS property to change the border of an element to XYZ 29.9389, 18.0455, 6.9062 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(212, 64, 65) }
```


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

```
.border{ border-color:rgb(212, 64, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 64, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 64, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 64, 65);  
box-shadow:4px 4px 4px 4px rgb(212, 64,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9389, 18.0455, 6.9062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 64, 65) }
```

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

```
.background{ background-color: rgb(212, 64,  
65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor