

Converting Colors

XYZ(29.3024, 18.0031, 5.6716)

Have a look what the booklet for
XYZ(29.3024, 18.0031, 5.6716)
contains.

XYZ(29.2993, 18.0015, 5.6718)	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(29.2993, 18.0015,
5.6718)**

Conversions

Conversions Part 1

Format	Color
Hex	D24338
RGB	210, 67, 56
RGB Percent	82%, 26%, 22%
CMY	0.1765, 0.7372, 0.7804
CMYK	0.00, 0.68, 0.73, 0.18
HSL	4°, 63%, 52%
HSV	4°, 73%, 82%
XYZ	29.2993, 18.0015, 5.6718
YIQ	108.5030, 88.7590, 26.8950

Conversions

Conversions Part 2

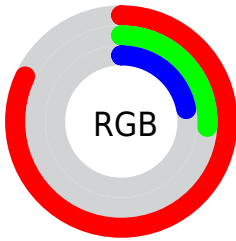
Format	Color
R_{YB}	210, 68, 56
Decimal	13779768
CIE Lab	49.50, 55.44, 38.23
CIE LCh	49, 67.348, 34.591
Yxy	18.0015, 0.5531, 0.3398
Android (android.graphics.Color)	4291969848 (0xFFD24338)
YUV	108.5030, -25.8840, 89.0129
Hunter-Lab	42.4282, 49.0161, 21.7738

Details

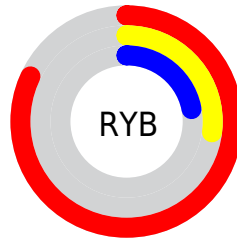
The XYZ color **29.2993, 18.0015, 5.6718** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **33.6849, 46.3363, 68.1407**, and the grayscale version is **14.4495, 15.2020, 16.5550**.

A 20% lighter version of the original color is **50.8216, 36.4254, 17.4489**, and **12.2791, 6.3224, 0.9210** is the 20% darker color. If you saturate the color by 10%, you get **27.9186, 15.8970, 3.1872**, and if you desaturate by 10%, it is **31.2863, 20.9745, 9.4209**.

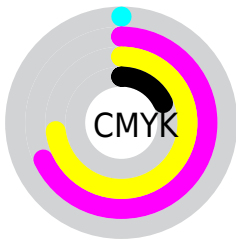
Distribution



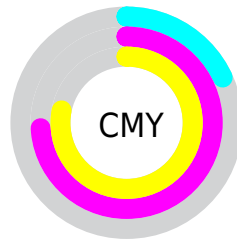
- Red (82%)
- Green (26%)
- Blue (22%)



- Red (82%)
- Yellow (27%)
- Blue (22%)



- Cyan (0%)
- Magenta (68%)
- Yellow (73%)
- Black (18%)





- Cyan (18%)
- Magenta (74%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2993, 18.0015, 5.6718 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 29.2993, 18.0015, 5.6718 by changing the saturation by 10% instead.


 29.2993, 18.0015,
5.6718


 29.2993, 18.0015,
5.6718


290.5933,
240.8795, 165.3083


 19.4528, 10.9511,
2.5810

 57.9466, 40.0399,
17.7115


 12.1038, 6.0339,
0.8826


 77.4780, 55.7966,
27.4976


 6.8871, 2.8657,
0.0000


 100.9684, 75.2242,
40.3525

 3.4373, 1.0620,
0.0000

 128.7833, 98.7071,
56.6947

 1.3890, 0.0000,
0.0000

 161.2878,
126.6297, 76.9429

 0.2484, 0.0000,
0.0000

 198.8474,

 0.0000, 0.0000,

159.3764, 101.5155

0.0000

241.8275,
197.3315, 130.8311

■ 29.2993, 18.0015,
5.6718

■ 29.2993, 18.0015,
5.6718

■ 27.9186, 15.8970,
3.1872

■ 31.2863, 20.9745,
9.4209

■ 27.0730, 14.5643,
1.7998


■ 33.9376, 24.8930,
14.5716


■ 26.7491, 14.0435,
1.3008


■ 37.3058, 29.8291,
21.2444


■ 41.4379, 35.8472,
29.5464

■ 46.3769, 43.0062,
39.5752

 52.1626, 51.3608,
51.4206

 58.8321, 60.9621,
65.1663

 66.4203, 71.8584,
80.8906

 74.9602, 84.0953,
98.6676

Harmonies

Analogous

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



32.4477, 18.0015, 16.9257



29.2993, 18.0015, 5.6718



22.9200, 18.0015, 1.9242

Triad

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



29.2993, 18.0015, 5.6718



8.2617, 18.0015, 8.0755



18.1087, 18.0015, 79.4537

Complementary

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



29.2993, 18.0015, 5.6718



33.6849, 46.3363, 68.1407

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.



12.3753, 18.0015, 71.4037



29.2993, 18.0015, 5.6718



7.5767, 18.0015, 22.5434

Square

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



29.2993, 18.0015, 5.6718



11.0573, 18.0015, 2.5854



8.8796, 18.0015, 47.0102



25.0453, 18.0015, 64.9626

Rectangle

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



29.2993, 18.0015, 5.6718



18.2904, 18.0015, 1.3144



8.8796, 18.0015, 47.0102



15.9813, 18.0015, 79.3427

Sweetspot

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



29.2997, 18.0026, 5.6721



72.8720, 68.0485, 63.2659



38.3865, 20.6876, 56.4498



15.1120, 13.8627, 12.5515



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.



29.2997, 18.0026, 5.6721



42.4843, 23.3613, 3.5389



37.1545, 33.7121, 8.2903



11.8757, 11.9420, 12.2912



16.3443, 8.6215, 0.8027



0.9382, 0.5306, 0.0530

Inverse Universe

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



33.6849, 46.3363, 68.1407



49.4574, 69.2137, 105.3606



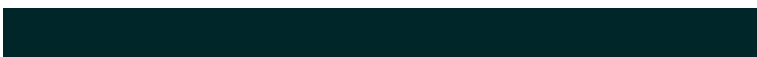
20.3137, 19.5938, 63.6836



12.0830, 13.2563, 15.1655



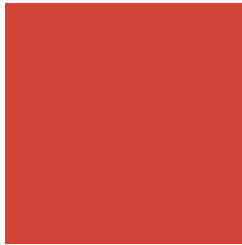
19.0295, 26.7055, 41.3442



1.0861, 1.5375, 2.3191

Previews

White Background



This preview shows how the XYZ color 29.2993, 18.0015, 5.6718 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 29.2993, 18.0015, 5.6718 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 29.2993, 18.0015, 5.6718

Background



This preview shows how black text looks on a background with the XYZ color 29.2993, 18.0015, 5.6718.



This preview shows how white text looks on a background with the XYZ color 29.2993, 18.0015,

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

29.2993, 18.0015, 5.6718

Protanopia

16.7343, 18.1050, 8.9160

Deuteranopia

18.3399, 17.9966, 5.1964



Tritanopia

29.5428, 17.9119, 7.5305

Trichromacy



Original Color

29.2993, 18.0015, 5.6718

Protanomaly

19.5755, 16.5980, 7.4822

Deuteranomaly

21.3362, 17.1421, 5.2018

Tritanomaly

29.4520, 17.9682, 6.7664

Monochromacy



Original Color

29.2993, 18.0015, 5.6718

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

17.7022, 14.8546, 11.6071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2993, 18.0015, 5.6718 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(210, 67, 56)` looks like.

```
.text, #text, p{  
    color:rgb(210, 67, 56)  
}
```

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(210, 67, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 67, 56) }
```

Border

The CSS property to change the border of an element to XYZ 29.2993, 18.0015, 5.6718 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(210, 67, 56) }
```


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

```
.border{ border-color:rgb(210, 67, 56) }
```

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

Here you see how a box with a 4 pixel rgb(210, 67, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 67, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 67, 56);  
box-shadow:4px 4px 4px 4px rgb(210, 67,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2993, 18.0015, 5.6718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 67, 56) }
```

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

```
.background{ background-color: rgb(210, 67,  
56) }
```

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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