

Converting Colors

XYZ(29.5419, 16.8165, 7.3704)

Have a look what the booklet for
XYZ(29.5419, 16.8165, 7.3704)
contains.

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Color

**XYZ(29.6554, 16.8570,
7.3209)**

Conversions

Conversions Part 1

Format	Color
Hex	D53245
RGB	213, 50, 69
RGB Percent	84%, 20%, 27%
CMY	0.1647, 0.8039, 0.7294
CMYK	0.00, 0.77, 0.68, 0.16
HSL	353°, 66%, 52%
HSV	353°, 77%, 84%
XYZ	29.6554, 16.8570, 7.3209
YIQ	100.9030, 91.0490, 40.4650

Conversions

Conversions Part 2

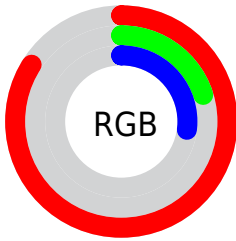
Format	Color
RYB	213, 50, 69
Decimal	13972037
CIELab	48.08, 62.92, 29.16
CIElCh	48, 69.347, 24.862
Yxy	16.8570, 0.5509, 0.3131
Android (android.graphics.Color)	4292162117 (0xFFD53245)
YUV	100.9030, -15.7282, 98.3091
Hunter-Lab	41.0573, 57.0791, 18.1681

Details

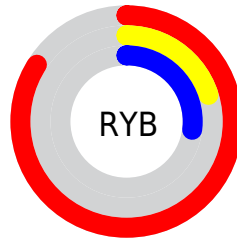
The XYZ color **29.6554, 16.8570, 7.3209** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark muted red. A complement of this color would be **34.8491, 52.1623, 59.2774**, and the grayscale version is **12.3687, 13.0129, 14.1710**.

A 20% lighter version of the original color is **50.0268, 33.6962, 20.6969**, and **12.9490, 6.6539, 1.5791** is the 20% darker color. If you saturate the color by 10%, you get **28.4525, 15.2426, 4.4807**, and if you desaturate by 10%, it is **31.4676, 19.3940, 11.2781**.

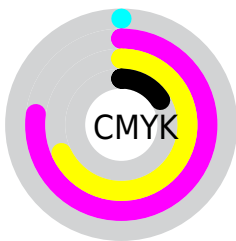
Distribution



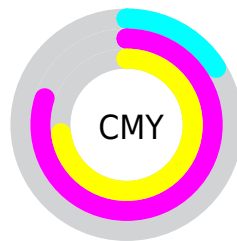
- Red (84%)
- Green (20%)
- Blue (27%)



- Red (84%)
- Yellow (20%)
- Blue (27%)



- Cyan (0%)
- Magenta (77%)
- Yellow (68%)
- Black (16%)





- Cyan (16%)
- Magenta (80%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6554, 16.8570, 7.3209 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 29.6554, 16.8570, 7.3209 by changing the saturation by 10% instead.


 29.6554, 16.8570,
7.3209


 29.6554, 16.8570,
7.3209


292.2336,
234.3470, 180.0350

 19.7239, 10.1326,
3.5821


 58.5072, 38.0797,
21.1397


 12.3016, 5.4870,
1.3990


 78.1582, 53.3469,
32.0568

 7.0231, 2.5357,
0.1409


 101.7798, 72.2304,
46.2037

 3.5230, 0.8945,
0.0000

 129.7373, 95.1146,
63.9990

 1.4360, 0.0000,
0.0000

 162.3961,
122.3840, 85.8613

 0.2817, 0.0000,
0.0000

200.1215,

 0.0000, 0.0000,

154.4229, 112.2090

0.0000

243.2789,
191.6158, 143.4607

■ 29.6554, 16.8570,
7.3209

■ 29.6554, 16.8570,
7.3209

■ 28.4525, 15.2426,
4.4807

■ 31.4676, 19.3940,
11.2781

■ 27.7731, 14.4078,
2.6388

■ 33.9557, 22.9608,
16.4523

■ 27.6140, 14.2155,
2.1977

■ 37.1787, 27.6532,
22.9331

■ 41.1891, 33.5553,
30.8015

■ 46.0342, 40.7429,
40.1319

■ 51.7578, 49.2858,
50.9931

■ 58.4005, 59.2488,
63.4500

■ 66.0005, 70.6924,
77.5634

■ 74.5935, 83.6736,
93.3910

Harmonies

Analogous

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



31.2977, 16.8570, 21.6271



29.6554, 16.8570, 7.3209



24.0199, 16.8570, 2.1162

Triad

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



29.6554, 16.8570, 7.3209



8.0409, 16.8570, 4.7831



14.9654, 16.8570, 78.7812

Complementary

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



29.6554, 16.8570, 7.3209



34.8491, 52.1623, 59.2774

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.



10.0317, 16.8570, 63.6073



29.6554, 16.8570, 7.3209



6.7577, 16.8570, 15.4298

Square

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



29.6554, 16.8570, 7.3209



11.4651, 16.8570, 1.4643



7.3774, 16.8570, 37.0570



21.6502, 16.8570, 70.9625

Rectangle

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



29.6554, 16.8570, 7.3209



19.3848, 16.8570, 1.1235



7.3774, 16.8570, 37.0570



13.0726, 16.8570, 76.0134

Sweetspot

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



29.6558, 16.8580, 7.3212



71.8603, 65.2185, 65.4151



35.3955, 18.5536, 64.6662



14.7463, 13.0140, 12.7912



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.



29.6558, 16.8580, 7.3212



42.0252, 21.9857, 4.7960



33.8649, 26.0734, 6.2668



12.4815, 12.4441, 13.2099



16.8873, 8.6913, 1.4449



1.0387, 0.5323, 0.1930

Inverse Universe

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



29.6558, 16.8580, 7.3212



42.0252, 21.9857, 4.7960



24.3159, 27.4619, 66.9697



12.4815, 12.4441, 13.2099



16.8873, 8.6913, 1.4449



1.0387, 0.5323, 0.1930

Previews

White Background



This preview shows how the XYZ color 29.6554, 16.8570, 7.3209 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 29.6554, 16.8570, 7.3209 looks on a black 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

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

XYZ 29.6554, 16.8570, 7.3209

Background



This preview shows how black text looks on a background with the XYZ color 29.6554, 16.8570, 7.3209.



This preview shows how white text looks on a background with the XYZ color 29.6554, 16.8570,

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

29.6554, 16.8570, 7.3209

Protanopia

16.1772, 17.2072, 13.0584

Deuteranopia

17.2688, 16.9262, 6.6319



Tritanopia

29.0903, 16.8096, 5.2014

Trichromacy



Original Color

29.6554, 16.8570, 7.3209

Protanomaly

18.8983, 15.1066, 10.5141

Deuteranomaly

20.3233, 15.5538, 6.6337

Tritanomaly

29.1688, 16.7688, 5.8370

Monochromacy



Original Color

29.6554, 16.8570, 7.3209

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

15.9758, 12.5066, 11.0232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6554, 16.8570, 7.3209 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(213, 50, 69)` looks like.

```
.text, #text, p{  
    color:rgb(213, 50, 69)  
}
```

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(213, 50, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 50, 69) }
```

Border

The CSS property to change the border of an element to XYZ 29.6554, 16.8570, 7.3209 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(213, 50, 69) }
```


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

```
.border{ border-color:rgb(213, 50, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 50, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 50, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 50, 69);  
box-shadow:4px 4px 4px 4px rgb(213, 50,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6554, 16.8570, 7.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 50, 69) }
```

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

```
.background{ background-color: rgb(213, 50,  
69) }
```

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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