

Converting Colors

XYZ(29.8570, 17.1903, 9.0090)

Have a look what the booklet for
XYZ(29.8570, 17.1903, 9.0090)
contains.

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Color

**XYZ(29.8457, 17.1854,
8.9518)**

Conversions

Conversions Part 1

Format	Color
Hex	D4364E
RGB	212, 54, 78
RGB Percent	83%, 21%, 31%
CMY	0.1686, 0.7882, 0.6941
CMYK	0.00, 0.75, 0.63, 0.17
HSL	351°, 65%, 52%
HSV	351°, 75%, 83%
XYZ	29.8457, 17.1854, 8.9518
YIQ	103.9780, 86.4640, 40.9600

Conversions

Conversions Part 2

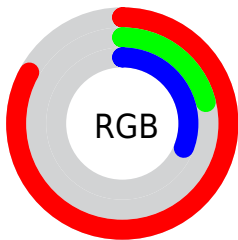
Format	Color
R_{YB}	212, 54, 78
Decimal	13907534
CIE Lab	48.49, 61.86, 24.23
CIE LCh	48, 66.437, 21.389
Yxy	17.1854, 0.5331, 0.3070
Android (android.graphics.Color)	4292097614 (0xFFD4364E)
YUV	103.9780, -12.8072, 94.7353
Hunter-Lab	41.4553, 55.9642, 16.2157

Details

The XYZ color **29.8457, 17.1854, 8.9518** 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 **34.1435, 51.5026, 55.7241**, and the grayscale version is **13.1703, 13.8562, 15.0894**.

A 20% lighter version of the original color is **50.9759, 34.6026, 24.0709**, and **12.8664, 6.5995, 2.1091** is the 20% darker color. If you saturate the color by 10%, you get **28.5060, 15.4007, 5.7479**, and if you desaturate by 10%, it is **31.7921, 19.9020, 13.2277**.

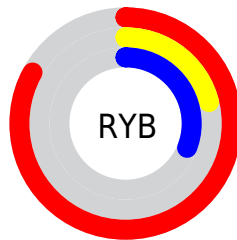
Distribution



Red (83%)

Green (21%)

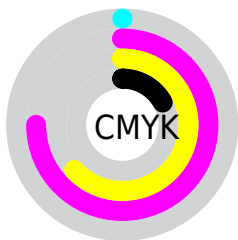
Blue (31%)



Red (83%)

Yellow (21%)

Blue (31%)

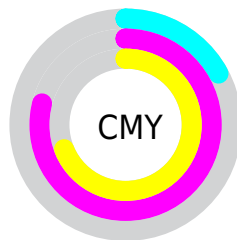


Cyan (0%)

Magenta (75%)

Yellow (63%)

Black (17%)



Cyan (17%)


Magenta (79%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8457, 17.1854, 8.9518 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 29.8457, 17.1854, 8.9518 by changing the saturation by 10% instead.


 29.8457, 17.1854,
8.9518


 29.8457, 17.1854,
8.9518


293.1073,
236.2385, 193.2227


 19.8690, 10.3668,
4.6134


 58.8064, 38.6443,
24.3805


 12.4076, 5.6428,
1.9675


 78.5211, 54.0533,
36.3079

 7.0960, 2.6291,
0.5352


 102.2124, 73.0946,
51.6021

 3.5691, 0.9413,
0.0000

 130.2459, 96.1525,
70.6815

 1.4614, 0.0000,
0.0000

 162.9867,
123.6114, 93.9647

 0.2993, 0.0000,
0.0000

200.8004,

 0.0000, 0.0000,

155.8558, 121.8703

0.0000

244.0521,
193.2701, 154.8168

■ 29.8457, 17.1854,
8.9518

■ 29.8457, 17.1854,
8.9518

■ 28.5060, 15.4007,
5.7479

■ 31.7921, 19.9020,
13.2277

■ 27.6967, 14.4180,
3.5173

■ 34.4068, 23.6520,
18.6602

■ 27.4146, 14.1023,
2.6572

■ 37.7449, 28.5268,
25.3263

■ 41.8554, 34.6071,
33.2959

■ 46.7830, 41.9660,
42.6339

■ 52.5688, 50.6708,
53.4005

■ 59.2514, 60.7843,
65.6526

■ 66.8668, 72.3650,
79.4438

■ 75.4491, 85.4684,
94.8250

Harmonies

Analogous

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



30.8653, 17.1854, 24.1968



29.8457, 17.1854, 8.9518



24.7867, 17.1854, 2.8354

Triad

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



29.8457, 17.1854, 8.9518



8.7856, 17.1854, 4.6156



14.6426, 17.1854, 75.3228

Complementary

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



29.8457, 17.1854, 8.9518



34.1435, 51.5026, 55.7241

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.



10.0617, 17.1854, 59.0606



29.8457, 17.1854, 8.9518



7.2756, 17.1854, 14.1258

Square

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



29.8457, 17.1854, 8.9518



12.4246, 17.1854, 1.6341



7.6761, 17.1854, 33.8028



20.9883, 17.1854, 70.5392

Rectangle

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



29.8457, 17.1854, 8.9518



20.3642, 17.1854, 1.5271



7.6761, 17.1854, 33.8028



12.8744, 17.1854, 71.8945

Sweetspot

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



29.8461, 17.1864, 8.9521



72.9541, 66.5863, 68.3074



33.3725, 17.7904, 63.9621



15.1315, 13.5265, 13.7141



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.



29.8461, 17.1864, 8.9521



42.5400, 22.4463, 6.7217



33.0411, 24.7109, 6.5196



12.4994, 12.4512, 13.3038



16.9477, 8.7154, 1.7629



1.0471, 0.5356, 0.2372

Inverse Universe

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



29.8461, 17.1864, 8.9521



42.5400, 22.4463, 6.7217



25.8617, 30.4503, 66.8015



12.4994, 12.4512, 13.3038



16.9477, 8.7154, 1.7629



1.0471, 0.5356, 0.2372

Previews

White Background



This preview shows how the XYZ color 29.8457, 17.1854, 8.9518 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 29.8457, 17.1854, 8.9518 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 29.8457, 17.1854, 8.9518

Background



This preview shows how black text looks on a background with the XYZ color 29.8457, 17.1854, 8.9518.

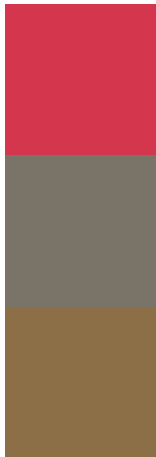


This preview shows how white text looks on a background with the XYZ color 29.8457, 17.1854,

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

29.8457, 17.1854, 8.9518

Protanopia

16.5146, 17.3259, 15.5705

Deuteranopia

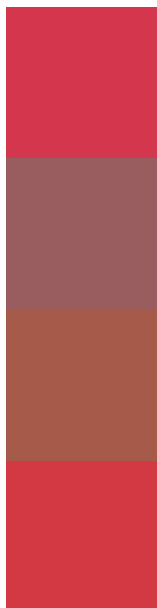
17.6051, 17.3865, 8.2224



Tritanopia

29.1926, 17.2012, 6.0565

Trichromacy



Original Color

29.8457, 17.1854, 8.9518

Protanomaly

19.3063, 15.5249, 12.8055

Deuteranomaly

20.5846, 15.9004, 8.2875

Tritanomaly

29.3402, 17.1804, 7.0799

Monochromacy



Original Color

29.8457, 17.1854, 8.9518

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

16.7210, 13.3214, 12.5165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8457, 17.1854, 8.9518 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, 54, 78)` looks like.

```
.text, #text, p{  
    color:rgb(212, 54, 78)  
}
```

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, 54, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 54, 78) }
```

Border

The CSS property to change the border of an element to XYZ 29.8457, 17.1854, 8.9518 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, 54, 78) }
```


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

```
.border{ border-color:rgb(212, 54, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 54, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 54, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 54, 78);  
box-shadow:4px 4px 4px 4px rgb(212, 54,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8457, 17.1854, 8.9518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 54, 78) }
```

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

```
.background{ background-color: rgb(212, 54,  
78) }
```

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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