

Converting Colors

XYZ(28.5988, 13.4237, 10.3375)

Have a look what the booklet for
XYZ(28.5988, 13.4237, 10.3375)
contains.

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Color

**XYZ(29.2020, 14.8507,
10.5599)**

Conversions

Conversions Part 1

Format	Color
Hex	D50058
RGB	213, 0, 88
RGB Percent	84%, 0%, 35%
CMY	0.1647, 0.9998, 0.6549
CMYK	0.00, 1.00, 0.59, 0.16
HSL	335°, 100%, 42%
HSV	335°, 100%, 84%
XYZ	29.2020, 14.8507, 10.5599
YIQ	73.7190, 98.7000, 72.5240

Conversions

Conversions Part 2

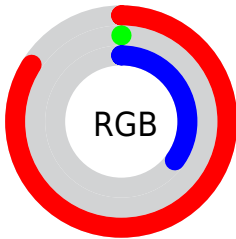
Format	Color
R_YB	213, 0, 88
Decimal	13959256
CIE Lab	45.43, 72.61, 14.02
CIE LCh	45, 73.948, 10.931
Yxy	14.8507, 0.5347, 0.2719
Android (android.graphics.Color)	4292149336 (0xFFD50058)
YUV	73.7190, 7.0405, 122.1494
Hunter-Lab	38.5366, 67.8234, 10.7288

Details

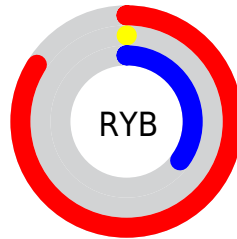
The XYZ color **29.2020, 14.8507, 10.5599** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **27.4991, 49.0703, 27.4389**, and the grayscale version is **6.4392, 6.7745, 7.3775**.

A 20% lighter version of the original color is **49.3277, 30.2109, 26.8983**, and **13.1985, 6.7537, 2.8935** is the 20% darker color. If you saturate the color by 10%, you get **29.2008, 14.8502, 10.5542**, and if you desaturate by 10%, it is **30.0396, 15.6250, 13.6173**.

Distribution



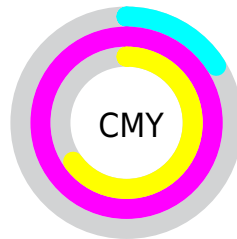
- Red (84%)
- Green (0%)
- Blue (35%)



- Red (84%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2020, 14.8507, 10.5599 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 29.2020, 14.8507, 10.5599 by changing the saturation by 10% instead.


 29.2020, 14.8507,
10.5599


 29.2020, 14.8507,
10.5599


290.1439,
222.4608, 205.2506

 19.3787, 8.7147,
5.6613


 57.7932, 34.5911,
27.4675


 12.0499, 4.5555,
2.5748


 77.2919, 48.9642,
40.3136


 6.8501, 1.9889,
0.8794


 100.7464, 66.8518,
56.6460

 3.4140, 0.6010,
0.0000

 128.5221, 88.6382,
76.8832

 1.3763, 0.0000,
0.0000

 160.9843,
114.7080, 101.4437

 0.2392, 0.0000,
0.0000

 198.4984,

 0.0000, 0.0000,

145.4454, 130.7461

0.0000

241.4299,
181.2348, 165.2089

■ 29.2020, 14.8507,
10.5599

■ 29.2020, 14.8507,
10.5599

■ 29.2008, 14.8502,
10.5542

■ 30.0396, 15.6250,
13.6173

■ 31.2724, 17.0405,
17.2653

■ 33.0049, 19.3003,
21.5584

■ 35.2964, 22.5169,
26.5346

■ 38.1972, 26.7853,
32.2281

■ 41.7516, 32.1888,
38.6702

■ 45.9996, 38.8022,
45.8899

■ 50.9779, 46.6941,
53.9147

■ 56.7206, 55.9278,
62.7704

Harmonies

Analogous

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



28.5025, 14.8507, 29.9510



29.2020, 14.8507, 10.5599



25.0676, 14.8507, 2.5827

Triad

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



29.2020, 14.8507, 10.5599



7.6983, 14.8507, 1.7059



10.5933, 14.8507, 73.9515

Complementary

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



29.2020, 14.8507, 10.5599



27.4991, 49.0703, 27.4389

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.



6.9330, 14.8507, 50.0579



29.2020, 14.8507, 10.5599



5.6285, 14.8507, 7.4368

Square

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



29.2020, 14.8507, 10.5599



11.9891, 14.8507, 0.3999



5.3965, 14.8507, 23.4807



16.4787, 14.8507, 77.4320

Rectangle

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



29.2020, 14.8507, 10.5599



20.6759, 14.8507, 0.9573



5.3965, 14.8507, 23.4807



9.1137, 14.8507, 67.5139

Sweetspot

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



29.2024, 14.8516, 10.5601



68.9049, 57.9581, 68.5911



20.3617, 9.1102, 63.6357



14.1416, 11.4559, 13.6645



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.



29.2024, 14.8516, 10.5601



43.8064, 22.2865, 15.4442



27.6536, 14.5720, 1.3565



12.6338, 12.5050, 14.0119



17.8854, 9.0905, 6.7003



1.1194, 0.5646, 0.6182

Inverse Universe

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



29.2024, 14.8516, 10.5601



43.8064, 22.2865, 15.4442



31.5826, 43.9481, 69.7687



12.6338, 12.5050, 14.0119



17.8854, 9.0905, 6.7003



1.1194, 0.5646, 0.6182

Previews

White Background



This preview shows how the XYZ color 29.2020, 14.8507, 10.5599 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



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 29.2020, 14.8507, 10.5599

Background



This preview shows how black text looks on a background with the XYZ color 29.2020, 14.8507, 10.5599.



This preview shows how white text looks on a background with the XYZ color 29.2020, 14.8507,

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

29.2020, 14.8507, 10.5599

Protanopia

15.3088, 15.5600, 22.6186

Deuteranopia

15.6688, 15.4135, 9.5464



Tritanopia

27.7537, 15.1664, 2.9780

Trichromacy



Original Color

29.2020, 14.8507, 10.5599

Protanomaly

16.7858, 11.4682, 16.9517

Deuteranomaly

18.0273, 12.0971, 9.3675

Tritanomaly

28.1041, 14.8372, 4.8726

Monochromacy



Original Color

29.2020, 14.8507, 10.5599

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

10.8852, 6.9575, 8.1664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2020, 14.8507, 10.5599 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, 0, 88)` looks like.

```
.text, #text, p{  
    color:rgb(213, 0, 88)  
}
```

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, 0, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 0, 88) }
```

Border

The CSS property to change the border of an element to XYZ 29.2020, 14.8507, 10.5599 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, 0, 88) }
```


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

```
.border{ border-color:rgb(213, 0, 88) }
```

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

Here you see how a box with a 4 pixel rgb(213, 0, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 0, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 0, 88);  
box-shadow:4px 4px 4px 4px rgb(213, 0, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.2020, 14.8507, 10.5599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 0, 88) }
```

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

```
.background{ background-color: rgb(213, 0,  
88) }
```

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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