

Converting Colors

XYZ(30.5189, 15.5004, 11.9428)

Have a look what the booklet for
XYZ(30.5189, 15.5004, 11.9428)
contains.

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Color

**XYZ(30.6357, 15.5599,
11.9783)**

Conversions

Conversions Part 1

Format	Color
Hex	D9005E
RGB	217, 0, 94
RGB Percent	85%, 0%, 37%
CMY	0.1490, 0.9998, 0.6314
CMYK	0.00, 1.00, 0.57, 0.15
HSL	334°, 100%, 43%
HSV	334°, 100%, 85%
XYZ	30.6357, 15.5599, 11.9783
YIQ	75.5990, 99.1580, 75.2380

Conversions

Conversions Part 2

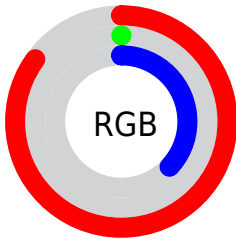
Format	Color
R_{YB}	217, 0, 94
Decimal	14221406
CIE _{Lab}	46.39, 73.89, 11.74
CIE _{LCh}	46, 74.817, 9.028
Yxy	15.5599, 0.5266, 0.2675
Android (android.graphics.Color)	4292411486 (0xFFD9005E)
YUV	75.5990, 9.0717, 124.0087
Hunter-Lab	39.4460, 69.6012, 9.6081

Details

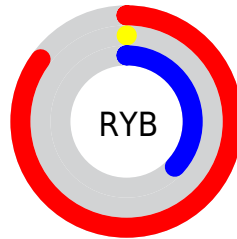
The XYZ color **30.6357, 15.5599, 11.9783** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **28.3915, 51.0571, 27.1129**, and the grayscale version is **6.7724, 7.1251, 7.7592**.

A 20% lighter version of the original color is **49.9302, 30.5859, 29.6576**, and **14.0719, 7.1903, 3.5519** is the 20% darker color. If you saturate the color by 10%, you get **30.6344, 15.5593, 11.9720**, and if you desaturate by 10%, it is **31.5146, 16.3628, 15.2157**.

Distribution



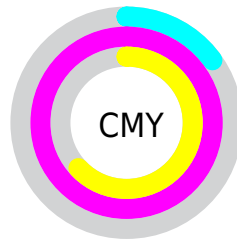
- Red (85%)
- Green (0%)
- Blue (37%)



- Red (85%)
- Yellow (0%)
- Blue (37%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (15%)




- Cyan (15%)
- Magenta (100%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.6357, 15.5599, 11.9783 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 30.6357, 15.5599, 11.9783 by changing the saturation by 10% instead.


 30.6357, 15.5599,
11.9783


 30.6357, 15.5599,
11.9783

296.7134,
226.7306, 215.2344


 20.4721, 9.2133,
6.6065


 60.0458, 35.8325,
30.1194


 12.8489, 4.8806,
3.1426


 80.0230, 50.5272,
43.7258


 7.4009, 2.1773,
1.1679


 104.0021, 68.7734,
60.9142

 3.7626, 0.7076,
0.0000

 132.3484, 90.9555,
82.1030

 1.5687, 0.0000,
0.0000

 165.4274,
117.4579, 107.7110

 0.3719, 0.0000,
0.0000

 203.6043,

 0.0000, 0.0000,

148.6649, 138.1565

0.0000

247.2445,
184.9610, 173.8581

■ 30.6357, 15.5599,
11.9783

■ 30.6357, 15.5599,
11.9783

■ 30.6344, 15.5593,
11.9720

■ 31.5146, 16.3628,
15.2157

■ 32.8015, 17.8346,
19.0423

■ 34.6044, 20.1854,
23.5123

■ 36.9849, 23.5329,
28.6633

■ 39.9952, 27.9764,
34.5288

■ 43.6815, 33.6030,
41.1397

■ 48.0851, 40.4910,
48.5245

■ 53.2443, 48.7120,
56.7103

■ 59.1942, 58.3320,
65.7223

Harmonies

Analogous

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



29.5681, 15.5599, 33.0050



30.6357, 15.5599, 11.9783



26.5995, 15.5599, 3.0079

Triad

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



30.6357, 15.5599, 11.9783



8.2988, 15.5599, 1.6459



10.7967, 15.5599, 76.0281

Complementary

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



30.6357, 15.5599, 11.9783



28.3915, 51.0571, 27.1129

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.



7.1235, 15.5599, 50.3746



30.6357, 15.5599, 11.9783



5.9984, 15.5599, 7.1781

Square

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



30.6357, 15.5599, 11.9783



12.9356, 15.5599, 0.4261



5.6415, 15.5599, 23.1167



16.8119, 15.5599, 81.3261

Rectangle

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



30.6357, 15.5599, 11.9783



22.0941, 15.5599, 1.1143



5.6415, 15.5599, 23.1167



9.3032, 15.5599, 68.9203

Sweetspot

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



30.6361, 15.5608, 11.9785



69.0970, 58.0349, 69.6022



20.6914, 9.2208, 66.3347



14.1867, 11.4739, 13.9019



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.



30.6361, 15.5608, 11.9785



44.0779, 22.3952, 16.8743



28.7794, 15.0798, 1.3952



13.2890, 13.1447, 14.7831



18.5953, 9.4392, 7.5150



1.2474, 0.6286, 0.7117

Inverse Universe

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



30.6361, 15.5608, 11.9785



44.0779, 22.3952, 16.8743



33.7715, 47.5032, 73.0346



13.2890, 13.1447, 14.7831



18.5953, 9.4392, 7.5150



1.2474, 0.6286, 0.7117

Previews

White Background



This preview shows how the XYZ color 30.6357, 15.5599, 11.9783 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 30.6357, 15.5599, 11.9783 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 30.6357, 15.5599, 11.9783

Background



This preview shows how black text looks on a background with the XYZ color 30.6357, 15.5599, 11.9783.

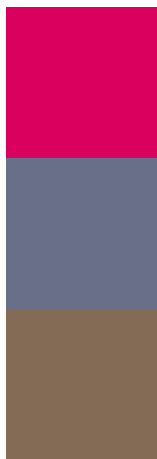


This preview shows how white text looks on a background with the XYZ color 30.6357, 15.5599,

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

30.6357, 15.5599, 11.9783

Protanopia

16.1437, 16.2392, 25.9505

Deuteranopia

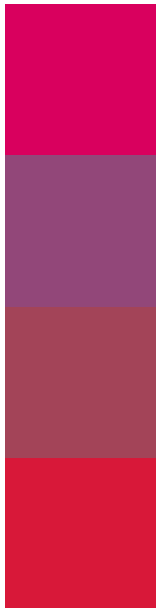
16.4131, 16.0768, 10.8324



Tritanopia

29.0359, 15.9607, 3.2194

Trichromacy



Original Color

30.6357, 15.5599, 11.9783

Protanomaly

17.5585, 11.9979, 19.4796

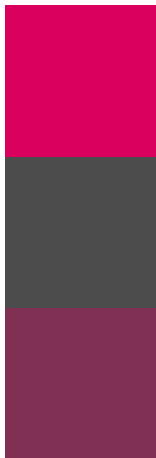
Deuteranomaly

18.9328, 12.6254, 10.6716

Tritanomaly

29.3841, 15.5476, 5.3232

Monochromacy



Original Color

30.6357, 15.5599, 11.9783

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.3707, 7.2505, 8.9838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6357, 15.5599, 11.9783 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(217, 0, 94)` looks like.

```
.text, #text, p{  
  color:rgb(217, 0, 94)  
}
```

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(217, 0, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 94) }
```

Border

The CSS property to change the border of an element to XYZ 30.6357, 15.5599, 11.9783 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(217, 0, 94) }
```


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

```
.border{ border-color:rgb(217, 0, 94) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 94);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.6357, 15.5599, 11.9783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 94) }
```

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

```
.background{ background-color: rgb(217, 0,  
94) }
```

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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