

Converting Colors

XYZ(28.5922, 11.4762, 6.1961)

Have a look what the booklet for
XYZ(28.5922, 11.4762, 6.1961)
contains.

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Color

**XYZ(30.5586, 15.6330,
6.8757)**

Conversions

Conversions Part 1

Format	Color
Hex	DC0044
RGB	220, 0, 68
RGB Percent	86%, 0%, 27%
CMY	0.1373, 0.9998, 0.7333
CMYK	0.00, 1.00, 0.69, 0.14
HSL	341°, 100%, 43%
HSV	341°, 100%, 86%
XYZ	30.5586, 15.6330, 6.8757
YIQ	73.5320, 109.2920, 67.7880

Conversions

Conversions Part 2

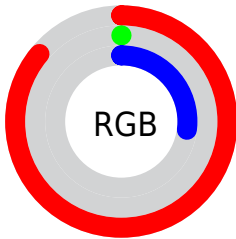
Format	Color
RYB	220, 0, 68
Decimal	14417988
CIELab	46.49, 73.18, 28.10
CIElCh	46, 78.390, 21.003
Yxy	15.6330, 0.5758, 0.2946
Android (android.graphics.Color)	4292608068 (0xFFDC0044)
YUV	73.5320, -2.7273, 128.4524
Hunter-Lab	39.5386, 68.7666, 17.3666

Details

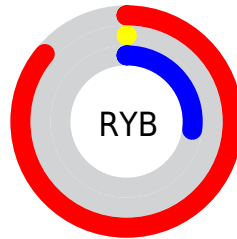
The XYZ color **30.5586, 15.6330, 6.8757** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **31.2651, 53.4550, 38.3965**, and the grayscale version is **6.4220, 6.7565, 7.3578**.

A 20% lighter version of the original color is **48.0486, 29.8333, 19.7490**, and **13.8968, 7.1425, 1.6235** is the 20% darker color. If you saturate the color by 10%, you get **30.5574, 15.6325, 6.8703**, and if you desaturate by 10%, it is **31.3721, 16.4189, 9.7406**.

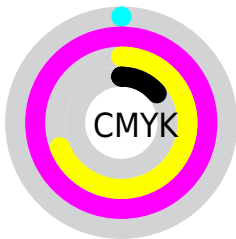
Distribution



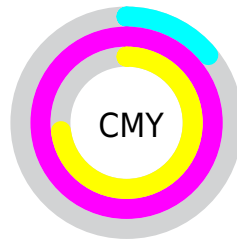
- Red (86%)
- Green (0%)
- Blue (27%)



- Red (86%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5586, 15.6330, 6.8757 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 30.5586, 15.6330, 6.8757 by changing the saturation by 10% instead.

 30.5586, 15.6330,
6.8757

 30.5586, 15.6330,
6.8757


296.3629,
227.1663, 176.2184


 20.4131, 9.2648,
3.3072


 59.9250, 35.9599,
20.2313


 12.8057, 4.9143,
1.2536


 79.8767, 50.6874,
30.8555


 7.3710, 2.1971,
0.0233


 103.8279, 68.9702,
44.6687

 3.7436, 0.7184,
0.0000

 132.1438, 91.1925,
62.0894

 1.5581, 0.0000,
0.0000

 165.1900,
117.7389, 83.5362

 0.3649, 0.0000,
0.0000

 203.3316,

 0.0000, 0.0000,

148.9938, 109.4276

0.0000

246.9342,
185.3414, 140.1822

■ 30.5586, 15.6330,
6.8757

■ 30.5586, 15.6330,
6.8757

■ 30.5574, 15.6325,
6.8703

■ 31.3721, 16.4189,
9.7406

■ 32.6414, 17.9101,
13.3929

■ 34.4812, 20.3238,
17.9090

■ 36.9588, 23.7831,
23.3466

■ 40.1316, 28.3921,
29.7574

■ 44.0501, 34.2422,
37.1889

■ 48.7600, 41.4154,
45.6853

■ 54.3035, 49.9868,
55.2879

■ 60.7192, 60.0256,
66.0360

Harmonies

Analogous

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



31.7086, 15.6330, 23.5179



30.5586, 15.6330, 6.8757



24.6088, 15.6330, 1.3966

Triad

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



30.5586, 15.6330, 6.8757



6.8847, 15.6330, 2.7124



12.9209, 15.6330, 86.4082

Complementary

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



30.5586, 15.6330, 6.8757



31.2651, 53.4550, 38.3965

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.



8.0988, 15.6330, 65.3034



30.5586, 15.6330, 6.8757



5.3755, 15.6330, 11.8476

Square

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



30.5586, 15.6330, 6.8757



10.6770, 15.6330, 0.4874



5.7400, 15.6330, 34.1133



20.0105, 15.6330, 80.6020

Rectangle

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



30.5586, 15.6330, 6.8757



19.4943, 15.6330, 0.4218



5.7400, 15.6330, 34.1133



11.0232, 15.6330, 81.8635

Sweetspot

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



30.5590, 15.6340, 6.8759



67.9366, 57.5707, 63.4918



25.5606, 11.6855, 68.6181



13.9155, 11.3654, 12.4737



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.



30.5590, 15.6340, 6.8759



42.6433, 21.8213, 9.3195



30.2867, 16.7585, 1.6398



13.2209, 13.1174, 14.4243



17.9780, 9.1922, 4.2640



1.2027, 0.6107, 0.4764

Inverse Universe

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



30.5590, 15.6340, 6.8759



42.6433, 21.8213, 9.3195



29.1746, 37.6791, 73.4449



13.2209, 13.1174, 14.4243



17.9780, 9.1922, 4.2640



1.2027, 0.6107, 0.4764

Previews

White Background



This preview shows how the XYZ color 30.5586, 15.6330, 6.8757 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 30.5586, 15.6330, 6.8757 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 30.5586, 15.6330, 6.8757

Background



This preview shows how black text looks on a background with the XYZ color 30.5586, 15.6330, 6.8757.

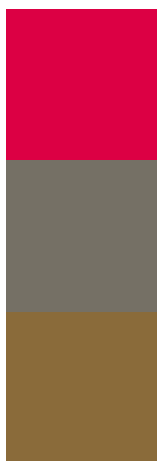


This preview shows how white text looks on a background with the XYZ color 30.5586, 15.6330,

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

30.5586, 15.6330, 6.8757

Protanopia

15.4793, 16.3098, 14.6442

Deuteranopia

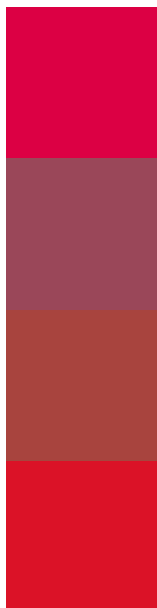
16.5026, 16.2242, 6.2648



Tritanopia

29.7833, 15.9524, 2.3200

Trichromacy



Original Color

30.5586, 15.6330, 6.8757

Protanomaly

17.3828, 12.0978, 10.8701

Deuteranomaly

19.0851, 12.8069, 6.0235

Tritanomaly

29.7959, 15.6392, 3.3677

Monochromacy



Original Color

30.5586, 15.6330, 6.8757

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

10.9386, 7.0129, 6.9080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5586, 15.6330, 6.8757 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(220, 0, 68)` looks like.

```
.text, #text, p{  
    color:rgb(220, 0, 68)  
}
```

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(220, 0, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 0, 68) }
```

Border

The CSS property to change the border of an element to XYZ 30.5586, 15.6330, 6.8757 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(220, 0, 68) }
```


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

```
.border{ border-color:rgb(220, 0, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 0, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 0, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 0, 68);  
box-shadow:4px 4px 4px 4px rgb(220, 0, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.5586, 15.6330, 6.8757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 0, 68) }
```

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

```
.background{ background-color: rgb(220, 0,  
68) }
```

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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