

Converting Colors

XYZ(30.8567, 18.3027, 2.0500)

Have a look what the booklet for
XYZ(30.8567, 18.3027, 2.0500)
contains.

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Color

**XYZ(30.8567, 18.3027,
2.0500)**

Conversions

Conversions Part 1

Format	Color
Hex	DB3C05
RGB	219, 60, 5
RGB Percent	86%, 24%, 2%
CMY	0.1412, 0.7647, 0.9804
CMYK	0.00, 0.73, 0.98, 0.14
HSL	15°, 96%, 44%
HSV	15°, 98%, 86%
XYZ	30.8567, 18.3027, 2.0500
YIQ	101.2710, 112.4190, 16.6030

Conversions

Conversions Part 2

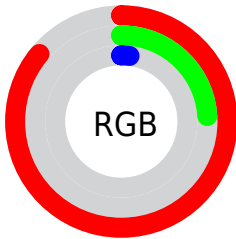
Format	Color
RYB	219, 79, 5
Decimal	14367749
CIELab	49.86, 59.76, 60.35
CIElCh	50, 84.929, 45.281
Yxy	18.3027, 0.6026, 0.3574
Android (android.graphics.Color)	4292557829 (0xFFDB3C05)
YUV	101.2710, -47.4616, 103.2483
Hunter-Lab	42.7817, 53.8770, 27.1061

Details

The XYZ color **30.8567, 18.3027, 2.0500** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **26.1224, 31.6942, 71.7582**, and the grayscale version is **12.5396, 13.1926, 14.3668**.

A 20% lighter version of the original color is **48.4708, 34.3304, 8.6292**, and **13.3264, 6.8700, 0.6237** is the 20% darker color. If you saturate the color by 10%, you get **30.6418, 17.9170, 1.8433**, and if you desaturate by 10%, it is **32.0138, 20.3464, 3.2709**.

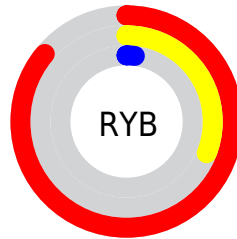
Distribution



Red (86%)

Green (24%)

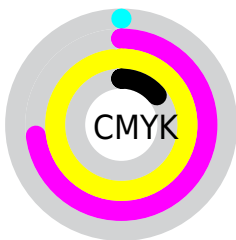
Blue (2%)



Red (86%)

Yellow (31%)

Blue (2%)

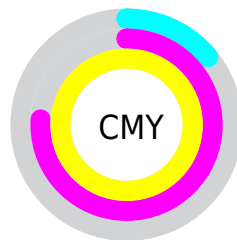


Cyan (0%)

Magenta (73%)

Yellow (98%)

Black (14%)



Cyan (14%)


Magenta (76%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8567, 18.3027, 2.0500 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 30.8567, 18.3027, 2.0500 by changing the saturation by 10% instead.

 30.8567, 18.3027,
2.0500


 30.8567, 18.3027,
2.0500


297.7163,
242.5717, 123.1484

 20.6410, 11.1675,
0.5858


 60.3918, 40.5524,
9.1770


 12.9728, 6.1796,
0.0000


 80.4419, 56.4358,
15.7243


 7.4867, 2.9546,
0.0000


 104.5009, 76.0040,
24.8188

 3.8173, 1.1081,
0.0000

 132.9341, 99.6415,
36.8790

 1.5993, 0.0000,
0.0000

 166.1069,
127.7326, 52.3236


 0.3920, 0.0000,
0.0000


 204.3846,


 0.0000, 0.0000,


160.6617, 71.5710


0.0000


 248.1326,
198.8133, 95.0397


 30.8567, 18.3027,
2.0500


 30.8567, 18.3027,
2.0500


 30.6418, 17.9170,
1.8433

 32.0138, 20.3464,
3.2709

 33.6386, 23.0303,
5.5562

 35.7907, 26.4105,
9.1225

 38.5168, 30.5340,
14.1272

 41.8577, 35.4434,
20.7048

■ 45.8502, 41.1779,
28.9740

■ 50.5283, 47.7741,
39.0421

■ 55.9233, 55.2661,
51.0076

■ 62.0645, 63.6863,
64.9615

Harmonies

Analogous

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



37.2217, 18.3027, 10.3140



30.8567, 18.3027, 2.0500



21.6722, 18.3027, 0.2675

Triad

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



30.8567, 18.3027, 2.0500



6.2434, 18.3027, 10.5898



21.8441, 18.3027, 101.6659

Complementary

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



30.8567, 18.3027, 2.0500



26.1224, 31.6942, 71.7582

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.



13.7232, 18.3027, 102.0030



30.8567, 18.3027, 2.0500



6.2635, 18.3027, 34.1891

Square

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



30.8567, 18.3027, 2.0500



8.4933, 18.3027, 2.1189



8.5607, 18.3027, 71.5781



31.0158, 18.3027, 70.8525

Rectangle

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



30.8567, 18.3027, 2.0500



15.9983, 18.3027, 0.0978



8.5607, 18.3027, 71.5781



18.8732, 18.3027, 105.8444

Sweetspot

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



30.8571, 18.3038, 2.0503



70.2536, 65.9342, 52.7668



36.1047, 17.9034, 37.3892



14.4171, 13.2402, 9.9541



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.



30.8571, 18.3038, 2.0503



43.1620, 25.1039, 2.5707



42.7862, 42.1620, 6.0266



13.3268, 13.5929, 13.6469



18.2444, 10.7743, 1.1181



1.2513, 0.8366, 0.0955

Inverse Universe

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



26.1224, 31.6942, 71.7582



36.3448, 43.8095, 101.1483



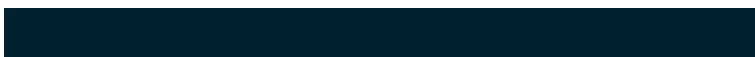
14.3872, 8.2236, 67.8465



13.1468, 14.2334, 16.7065



15.4090, 18.6875, 42.5333



1.0661, 1.3463, 2.7781

Previews

White Background



This preview shows how the XYZ color 30.8567, 18.3027, 2.0500 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 30.8567, 18.3027, 2.0500 looks on a black 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

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

XYZ 30.8567, 18.3027, 2.0500

Background



This preview shows how black text looks on a background with the XYZ color 30.8567, 18.3027, 2.0500.



This preview shows how white text looks on a background with the XYZ color 30.8567, 18.3027,

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

30.8567, 18.3027, 2.0500

Protanopia

16.7235, 18.5715, 3.6229

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

31.6931, 18.3495, 5.8744

Trichromacy



Original Color

30.8567, 18.3027, 2.0500

Protanomaly

19.9939, 16.7784, 2.7570

Deuteranomaly

21.6929, 17.1238, 2.2193

Tritanomaly

31.3445, 18.2884, 3.7974

Monochromacy



Original Color

30.8567, 18.3027, 2.0500

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

15.8128, 12.9782, 6.8259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8567, 18.3027, 2.0500 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(219, 60, 5)` looks like.

```
.text, #text, p{  
    color:rgb(219, 60, 5)  
}
```

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(219, 60, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 60, 5) }
```

Border

The CSS property to change the border of an element to XYZ 30.8567, 18.3027, 2.0500 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(219, 60, 5) }
```


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

```
.border{ border-color:rgb(219, 60, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 60, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 60, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 60, 5);  
box-shadow:4px 4px 4px 4px rgb(219, 60, 5)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.8567, 18.3027, 2.0500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 60, 5) }
```

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

```
.background{ background-color: rgb(219, 60,  
5) }
```

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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