

# Converting Colors

XYZ(30.1460, 21.1885, 2.5576)

Have a look what the booklet for  
XYZ(30.1460, 21.1885, 2.5576)  
contains.

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# Color

**XYZ(30.1326, 21.2140,  
2.5640)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D15C02
RGB	209, 92, 2
RGB Percent	82%, 36%, 1%
CMY	0.1804, 0.6392, 0.9921
CMYK	0.00, 0.56, 0.99, 0.18
HSL	26°, 98%, 41%
HSV	26°, 99%, 82%
XYZ	30.1326, 21.2140, 2.5640
YIQ	116.7230, 98.6220, -3.1860

# Conversions

## Conversions Part 2

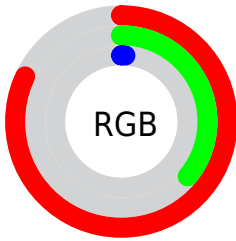
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	209, 161, 2
Decimal	13720578
CIELab	53.18, 42.73, 61.96
CIElCh	53, 75.262, 55.406
Yxy	21.2140, 0.5589, 0.3935
Android (android.graphics.Color)	4291910658 (0xFFD15C02)
YUV	116.7230, -56.5584, 80.9269
Hunter-Lab	46.0587, 36.1760, 28.9405

# Details

The XYZ color **30.1326, 21.2140, 2.5640** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **18.1301, 17.8094, 62.8031**, and the grayscale version is **16.9718, 17.8557, 19.4448**.

A 20% lighter version of the original color is **52.2908, 41.8810, 10.1783**, and **12.7914, 7.7206, 0.8160** is the 20% darker color. If you saturate the color by 10%, you get **30.0246, 21.0158, 2.4740**, and if you desaturate by 10%, it is **31.3802, 23.4811, 3.6841**.

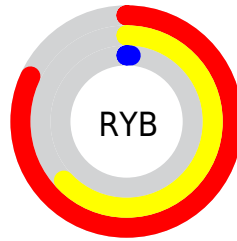
# Distribution



Red (82%)

Green (36%)

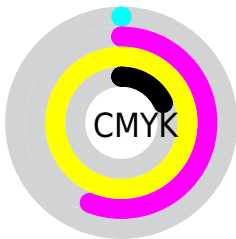
Blue (1%)



Red (82%)

Yellow (63%)

Blue (1%)

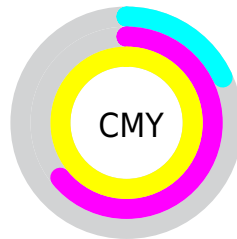


Cyan (0%)

Magenta (56%)

Yellow (99%)

Black (18%)



Cyan (18%)

Magenta (64%)


Yellow (99%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1326, 21.2140, 2.5640 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 30.1326, 21.2140, 2.5640 by changing the saturation by 10% instead.





 30.1326, 21.2140,  
2.5640


 30.1326, 21.2140,  
2.5640


294.4208,  
258.4136, 130.5976


 20.0878, 13.2805,  
0.8738


 59.2570, 45.4434,  
10.5322


 12.5675, 7.6220,  
0.0000


 79.0673, 62.5081,  
17.6500


 7.2064, 3.8540,  
0.0000


 102.8636, 83.3854,  
27.4151

 3.6390, 1.5923,  
0.0000

 131.0111,  
108.4596, 40.2459

 1.5000, 0.3524,  
0.0000

 163.8752,  
138.1151, 56.5610


 0.3258, 0.0000,  
0.0000


 201.8213,


 0.0000, 0.0000,


172.7364, 76.7790


0.0000


 245.2147,  
212.7077, 101.3183


 30.1326, 21.2140,  
2.5640


 30.1326, 21.2140,  
2.5640


 30.0246, 21.0158,  
2.4740

 31.3802, 23.4811,  
3.6841

 32.9484, 26.1418,  
5.6731

 34.8869, 29.2274,  
8.7591

 37.2281, 32.7607,  
13.0823

 40.0001, 36.7622,  
18.7614

■ 43.2279, 41.2508,  
25.9013

■ 46.9345, 46.2444,  
34.5961

■ 51.1410, 51.7596,  
44.9323

■ 55.8674, 57.8122,  
56.9897

# Harmonies

## Analogous

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



37.3365, 21.2140, 8.9599



30.1326, 21.2140, 2.5640



21.4111, 21.2140, 1.1801

# Triad

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



30.1326, 21.2140, 2.5640



8.4529, 21.2140, 19.7702



27.4479, 21.2140, 89.3794

# Complementary

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



30.1326, 21.2140, 2.5640



18.1301, 17.8094, 62.8031

# 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.



18.9649, 21.2140, 99.8381



30.1326, 21.2140, 2.5640



9.2779, 21.2140, 47.3926

# Square

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



30.1326, 21.2140, 2.5640



10.0260, 21.2140, 6.1052



12.6781, 21.2140, 81.0222



35.5227, 21.2140, 57.8777



# Rectangle

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



30.1326, 21.2140, 2.5640



16.3735, 21.2140, 1.3882



12.6781, 21.2140, 81.0222



24.4969, 21.2140, 96.0903

# Sweetspot

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



30.1331, 21.2152, 2.5644



72.8104, 71.4628, 52.3394



29.6640, 14.9379, 18.8678



15.0429, 14.5696, 9.9224



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.



30.1331, 21.2152, 2.5644



46.9109, 32.6017, 3.8203



45.8651, 52.6793, 7.8084



12.2255, 12.6417, 12.4078



18.6066, 13.1463, 1.5568



1.1186, 0.8915, 0.1131



# Inverse Universe

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



18.1301, 17.8094, 62.8031



28.0421, 27.2043, 98.3807



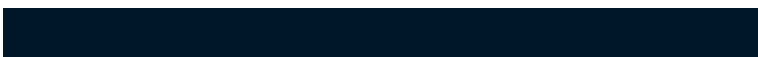
11.7160, 4.9812, 60.6650



11.7101, 12.5105, 15.0412



11.1991, 11.0448, 38.7341



0.7043, 0.7739, 2.1918



# Previews

## White Background



This preview shows how the XYZ color 30.1326, 21.2140, 2.5640 looks on a white 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



# Black Background



This preview shows how the XYZ color 30.1326, 21.2140, 2.5640 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 30.1326, 21.2140, 2.5640**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.1326, 21.2140, 2.5640.



This preview shows how white text looks on a background with the XYZ color 30.1326, 21.2140,



# 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

30.1326, 21.2140, 2.5640

### Protanopia

19.3470, 21.4181, 3.7762

### Tritanopia

32.0801, 21.2598, 12.3103

# Trichromacy



## Original Color

30.1326, 21.2140, 2.5640

## Protanomaly

22.3518, 20.6154, 3.1819

## Tritanomaly

30.8575, 20.9969, 6.5641

# Monochromacy



## Original Color

30.1326, 21.2140, 2.5640

## Achromatopsia

16.9083, 17.7888, 19.3720

## Achromatomaly

19.2102, 17.7172, 9.0639

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.1326, 21.2140, 2.5640 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(209, 92, 2)` looks like.

```
.text, #text, p{  
    color:rgb(209, 92, 2)  
}
```

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(209, 92, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 92, 2) }
```

## Border

The CSS property to change the border of an element to XYZ 30.1326, 21.2140, 2.5640 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(209, 92, 2) }
```

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

```
.border{ border-color:rgb(209, 92, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 92, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 92, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 92, 2);  
box-shadow:4px 4px 4px 4px rgb(209, 92, 2)  
}
```



# Background

The CSS property to change the background color of an element to XYZ 30.1326, 21.2140, 2.5640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 92, 2) }
```

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

```
.background{ background-color: rgb(209, 92,  
2) }
```

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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