

Converting Colors

XYZ(30.3386, 21.6009, 2.5717)

Have a look what the booklet for
XYZ(30.3386, 21.6009, 2.5717)
contains.

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Color

**XYZ(30.2972, 21.5607,
2.5648)**

Conversions

Conversions Part 1

Format	Color
Hex	D15E00
RGB	209, 94, 0
RGB Percent	82%, 37%, 0%
CMY	0.1804, 0.6313, 1.0000
CMYK	0.00, 0.55, 1.00, 0.18
HSL	27°, 100%, 41%
HSV	27°, 100%, 82%
XYZ	30.2972, 21.5607, 2.5648
YIQ	117.6690, 98.7140, -4.8540

Conversions

Conversions Part 2

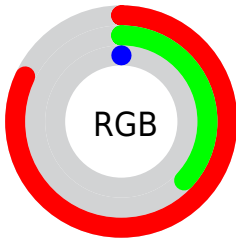
Format	Color
R_{YB}	209, 171, 0
Decimal	13721088
CIE _{Lab}	53.56, 41.73, 62.60
CIE _{LCh}	54, 75.233, 56.307
Yxy	21.5607, 0.5567, 0.3962
Android (android.graphics.Color)	4291911168 (0xFFD15E00)
YUV	117.6690, -58.0108, 80.0973
Hunter-Lab	46.4335, 35.2101, 29.2285

Details

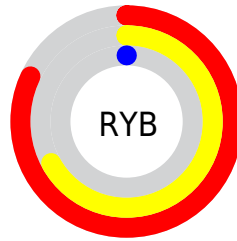
The XYZ color **30.2972, 21.5607, 2.5648** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **17.6390, 16.8643, 62.6466**, and the grayscale version is **17.2712, 18.1707, 19.7879**.

A 20% lighter version of the original color is **52.5991, 42.4976, 10.2811**, and **12.8606, 7.8590, 0.8391** is the 20% darker color. If you saturate the color by 10%, you get **30.2974, 21.5614, 2.5649**, and if you desaturate by 10%, it is **31.5321, 23.8157, 3.6398**.

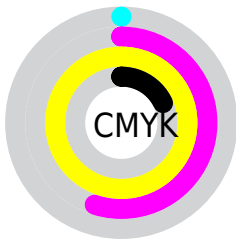
Distribution



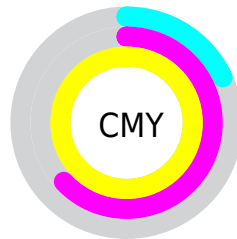
- Red (82%)
- Green (37%)
- Blue (0%)



- Red (82%)
- Yellow (67%)
- Blue (0%)



- Cyan (0%)
- Magenta (55%)
- Yellow (100%)
- Black (18%)





- Cyan (18%)
- Magenta (63%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2972, 21.5607, 2.5648 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 30.2972, 21.5607, 2.5648 by changing the saturation by 10% instead.


 30.2972, 21.5607,
2.5648


 30.2972, 21.5607,
2.5648


295.1723,
260.2435, 130.6086


 20.2135, 13.5345,
0.8742


 59.5153, 46.0188,
10.5342

 12.6595, 7.7976,
0.0000


 79.3803, 63.2196,
17.6529


 7.2699, 3.9657,
0.0000


 103.2365, 84.2472,
27.4190

 3.6793, 1.6544,
0.0000

 131.4493,
109.4862, 40.2509

 1.5223, 0.3939,
0.0000

 164.3838,
139.3209, 56.5673

 0.3410, 0.0000,
0.0000


 202.4057,


 0.0000, 0.0000,


174.1358, 76.7867


0.0000


 245.8800,
214.3152, 101.3276


 30.2972, 21.5607,
2.5648


 30.2972, 21.5607,
2.5648


 30.2974, 21.5614,
2.5649

 31.5321, 23.8157,
3.6398

 33.0707, 26.4450,
5.5336

 34.9686, 29.4814,
8.5070

 37.2579, 32.9468,
12.7023

 39.9667, 36.8610,
18.2400

■ 43.1198, 41.2421,
25.2258

■ 46.7399, 46.1072,
33.7548

■ 50.8479, 51.4720,
43.9137

■ 55.4633, 57.3518,
55.7830

Harmonies

Analogous

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



37.6658, 21.5607, 8.8349



30.2972, 21.5607, 2.5648



21.5026, 21.5607, 1.2279

Triad

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



30.2972, 21.5607, 2.5648



8.6313, 21.5607, 20.7437



28.1181, 21.5607, 89.5282

Complementary

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



30.2972, 21.5607, 2.5648



17.6390, 16.8643, 62.6466

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.



19.5151, 21.5607, 100.9254



30.2972, 21.5607, 2.5648



9.5413, 21.5607, 49.0042

Square

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



30.2972, 21.5607, 2.5648



10.1507, 21.5607, 6.5067



13.0709, 21.5607, 82.7601



36.1944, 21.5607, 57.5036

Rectangle

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



30.2972, 21.5607, 2.5648



16.4592, 21.5607, 1.4791



13.0709, 21.5607, 82.7601



25.1367, 21.5607, 96.5340

Sweetspot

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



30.2977, 21.5619, 2.5652



73.0974, 72.0369, 52.4350



29.5903, 14.8737, 18.5868



15.1104, 14.7046, 9.9449



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.



30.2977, 21.5619, 2.5652



47.3360, 33.4519, 3.9620



45.8243, 52.6152, 7.7407



12.2403, 12.6713, 12.4127



18.7761, 13.4852, 1.6133



1.1285, 0.9114, 0.1164

Inverse Universe

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



17.6390, 16.8643, 62.6466



27.4728, 26.0656, 98.1909



11.6648, 4.9159, 60.6552



11.6951, 12.4805, 15.0362



10.9753, 10.5973, 38.6595



0.6923, 0.7498, 2.1878

Previews

White Background



This preview shows how the XYZ color 30.2972, 21.5607, 2.5648 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 30.2972, 21.5607, 2.5648 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 30.2972, 21.5607, 2.5648

Background



This preview shows how black text looks on a background with the XYZ color 30.2972, 21.5607, 2.5648.



This preview shows how white text looks on a background with the XYZ color 30.2972, 21.5607,

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

30.2972, 21.5607, 2.5648

Protanopia

19.6449, 21.7673, 3.7822

Deuteranopia

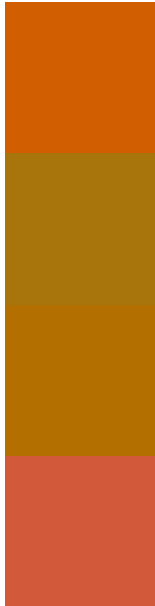
21.8598, 21.6004, 3.0172



Tritanopia

32.2479, 21.4556, 12.7976

Trichromacy



Original Color

30.2972, 21.5607, 2.5648

Protanomaly

22.4602, 20.8422, 3.1870

Deuteranomaly

24.3846, 21.1720, 2.8014

Tritanomaly

31.0239, 21.3297, 6.6196

Monochromacy



Original Color

30.2972, 21.5607, 2.5648

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

19.5011, 18.0246, 9.1079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2972, 21.5607, 2.5648 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, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 94, 0)  
}
```

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, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 94, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.2972, 21.5607, 2.5648 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, 94, 0) }
```


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

```
.border{ border-color:rgb(209, 94, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 94, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 94, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.2972, 21.5607, 2.5648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 94, 0) }
```

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

```
.background{ background-color: rgb(209, 94,  
0) }
```

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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