

Converting Colors

XYZ(32.0228, 21.6771, 2.4963)

Have a look what the booklet for
XYZ(32.0228, 21.6771, 2.4963)
contains.

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Color

**XYZ(32.1050, 21.7312,
2.5024)**

Conversions

Conversions Part 1

Format	Color
Hex	D95800
RGB	217, 88, 0
RGB Percent	85%, 35%, 0%
CMY	0.1490, 0.6549, 1.0000
CMYK	0.00, 0.59, 1.00, 0.15
HSL	24°, 100%, 43%
HSV	24°, 100%, 85%
XYZ	32.1050, 21.7312, 2.5024
YIQ	116.5390, 105.1320, -0.0200

Conversions

Conversions Part 2

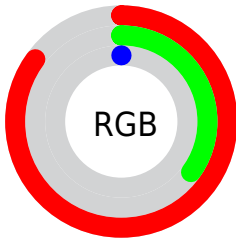
Format	Color
RYB	217, 148, 0
Decimal	14243840
CIELab	53.74, 47.61, 63.38
CIELCh	54, 79.269, 53.087
Yxy	21.7312, 0.5699, 0.3857
Android (android.graphics.Color)	4292433920 (0xFFD95800)
YUV	116.5390, -57.4537, 88.1043
Hunter-Lab	46.6167, 41.3539, 29.4490

Details

The XYZ color **32.1050, 21.7312, 2.5024** 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 **20.3739, 20.7088, 68.5684**, and the grayscale version is **16.9161, 17.7971, 19.3810**.

A 20% lighter version of the original color is **51.8102, 40.9649, 9.8789**, and **13.8703, 7.9577, 0.8050** is the 20% darker color. If you saturate the color by 10%, you get **32.1053, 21.7320, 2.5026**, and if you desaturate by 10%, it is **33.4017, 24.0979, 3.6351**.

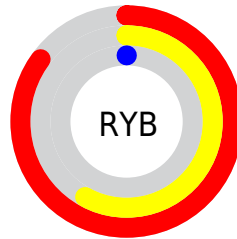
Distribution



Red (85%)

Green (35%)

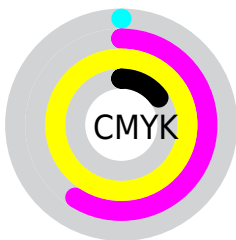
Blue (0%)



Red (85%)

Yellow (58%)

Blue (0%)

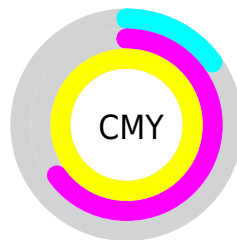


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1050, 21.7312, 2.5024 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 32.1050, 21.7312, 2.5024 by changing the saturation by 10% instead.

 32.1050, 21.7312,
2.5024


 32.1050, 21.7312,
2.5024


303.3341,
261.1393, 129.7462


 21.5976, 13.6595,
0.8414


 62.3397, 46.3013,
10.3737

 13.6765, 7.8842,
0.0000


 82.7978, 63.5686,
17.4262

 7.9762, 4.0210,
0.0000

 107.3036, 84.6698,
27.1148

 4.1314, 1.6853,
0.0000

 136.2223,
109.9894, 39.8578

 1.7767, 0.4141,
0.0000

 169.9193,
139.9117, 56.0740


 0.5036, 0.0000,
0.0000


 208.7601,


 0.0000, 0.0000,


174.8212, 76.1817


0.0000


 253.1099,
215.1023, 100.5996


 32.1050, 21.7312,
2.5024


 32.1050, 21.7312,
2.5024


 32.1053, 21.7320,
2.5026

 33.4017, 24.0979,
3.6351

 35.0541, 26.9201,
5.6731

 37.1237, 30.2375,
8.8966

 39.6479, 34.0776,
13.4628

 42.6591, 38.4658,
19.5045

■ 46.1861, 43.4251,
27.1384

■ 50.2555, 48.9772,
36.4691

■ 54.8915, 55.1423,
47.5924

■ 60.1168, 61.9398,
60.5968

Harmonies

Analogous

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



39.6272, 21.7312, 9.6463



32.1050, 21.7312, 2.5024



22.6847, 21.7312, 0.9763

Triad

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



32.1050, 21.7312, 2.5024



8.3096, 21.7312, 18.4642



27.7476, 21.7312, 98.0941

Complementary

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



32.1050, 21.7312, 2.5024



20.3739, 20.7088, 68.5684

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.



18.7499, 21.7312, 107.1536



32.1050, 21.7312, 2.5024



8.9750, 21.7312, 47.1642

Square

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



32.1050, 21.7312, 2.5024



10.1512, 21.7312, 5.2152



12.3133, 21.7312, 84.2645



36.6675, 21.7312, 64.3647

Rectangle

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



32.1050, 21.7312, 2.5024



17.1715, 21.7312, 1.0845



12.3133, 21.7312, 84.2645



24.5800, 21.7312, 104.7758

Sweetspot

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



32.1055, 21.7324, 2.5028



72.2558, 70.3536, 52.1545



32.6578, 16.3688, 22.6282



14.9127, 14.3093, 9.8791



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.



32.1055, 21.7324, 2.5028



46.1319, 31.0438, 3.5606



48.1974, 53.9162, 7.8667



13.4874, 13.9142, 13.7004



19.5327, 13.3509, 1.5475



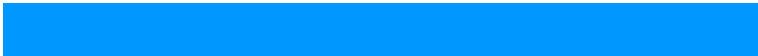
1.3486, 1.0313, 0.1280

Inverse Universe

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



20.3739, 20.7088, 68.5684



29.2105, 29.5411, 98.7702



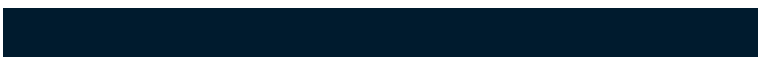
12.8056, 5.5723, 66.0457



12.9790, 13.8977, 16.6506



12.4394, 12.7482, 41.5434



0.8897, 0.9935, 2.7193

Previews

White Background



This preview shows how the XYZ color 32.1050, 21.7312, 2.5024 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 32.1050, 21.7312, 2.5024 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 32.1050, 21.7312, 2.5024

Background



This preview shows how black text looks on a background with the XYZ color 32.1050, 21.7312, 2.5024.



This preview shows how white text looks on a background with the XYZ color 32.1050, 21.7312,

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

32.1050, 21.7312, 2.5024

Protanopia

19.6627, 21.7744, 3.8760

Deuteranopia

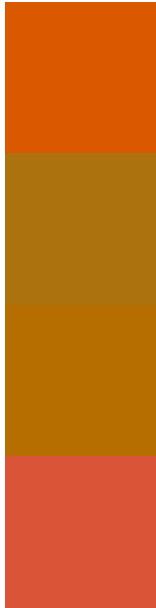
22.1872, 21.9524, 3.0679



Tritanopia

33.9510, 21.7828, 11.4319

Trichromacy



Original Color

32.1050, 21.7312, 2.5024

Protanomaly

22.8845, 20.7216, 3.1743

Deuteranomaly

25.1044, 21.2191, 2.7726

Tritanomaly

32.7734, 21.5219, 6.0412

Monochromacy



Original Color

32.1050, 21.7312, 2.5024

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

19.5269, 17.5748, 8.8417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1050, 21.7312, 2.5024 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, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 88, 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(217, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 88, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.1050, 21.7312, 2.5024 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, 88, 0) }
```


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

```
.border{ border-color:rgb(217, 88, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 88, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.1050, 21.7312, 2.5024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 88, 0) }
```

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

```
.background{ background-color: rgb(217, 88,  
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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