

Converting Colors

XYZ(32.0270, 22.4525, 2.6458)

Have a look what the booklet for
XYZ(32.0270, 22.4525, 2.6458)
contains.

XYZ(32.0270, 22.4525, 2.6458)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.0270, 22.4525,
2.6458)**

Conversions

Conversions Part 1

Format	Color
Hex	D75E00
RGB	215, 94, 0
RGB Percent	84%, 37%, 0%
CMY	0.1569, 0.6313, 1.0000
CMYK	0.00, 0.56, 1.00, 0.16
HSL	26°, 100%, 42%
HSV	26°, 100%, 84%
XYZ	32.0270, 22.4525, 2.6458
YIQ	119.4630, 102.2900, -3.5820

Conversions

Conversions Part 2

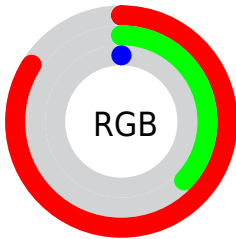
Format	Color
R_{YB}	215, 167, 0
Decimal	14114304
CIE _{Lab}	54.50, 44.04, 63.63
CIE _{LCh}	55, 77.382, 55.313
Yxy	22.4525, 0.5606, 0.3930
Android (android.graphics.Color)	4292304384 (0xFFD75E00)
YUV	119.4630, -58.8953, 83.7859
Hunter-Lab	47.3841, 37.7264, 29.8583

Details

The XYZ color **32.0270, 22.4525, 2.6458** 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 **19.1028, 18.5805, 66.8689**, and the grayscale version is **17.8412, 18.7704, 20.4409**.

A 20% lighter version of the original color is **52.5991, 42.4976, 10.2811**, and **13.7769, 8.3313, 0.8820** is the 20% darker color. If you saturate the color by 10%, you get **32.0271, 22.4531, 2.6459**, and if you desaturate by 10%, it is **33.3293, 24.8332, 3.7710**.

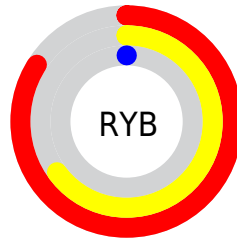
Distribution



Red (84%)

Green (37%)

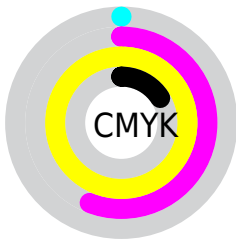
Blue (0%)



Red (84%)

Yellow (65%)

Blue (0%)

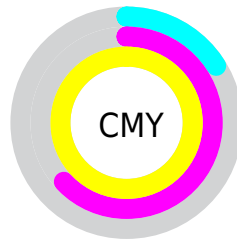


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0270, 22.4525, 2.6458 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 32.0270, 22.4525, 2.6458 by changing the saturation by 10% instead.


 32.0270, 22.4525,
2.6458


 32.0270, 22.4525,
2.6458


302.9853,
264.9003, 131.7130


 21.5378, 14.1898,
0.9160


 62.2183, 47.4928,
10.7412


 13.6324, 8.2528,
0.0000


 82.6511, 65.0391,
17.9446

 7.9454, 4.2571,
0.0000


 107.1292, 86.4487,
27.8098

 4.1115, 1.8184,
0.0000

 136.0178,
112.1060, 40.7555

 1.7654, 0.4986,
0.0000

 169.6824,
142.3954, 57.2001

 0.4967, 0.0000,
0.0000


 208.4882,


 0.0000, 0.0000,


177.7014, 77.5622


0.0000


 252.8008,
218.4082, 102.2603


 32.0270, 22.4525,
2.6458


 32.0270, 22.4525,
2.6458


 32.0271, 22.4531,
2.6459

 33.3293, 24.8332,
3.7710

 34.9630, 27.6271,
5.7759

 36.9874, 30.8698,
8.9354

 39.4375, 34.5859,
13.4026

 42.3438, 38.7975,
19.3069

■ 45.7333, 43.5249,
26.7618

■ 49.6308, 48.7871,
35.8693

■ 54.0590, 54.6018,
46.7227

■ 59.0393, 60.9860,
59.4082

Harmonies

Analogous

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



39.7296, 22.4525, 9.4252



32.0270, 22.4525, 2.6458



22.7003, 22.4525, 1.1941

Triad

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



32.0270, 22.4525, 2.6458



8.8675, 22.4525, 20.8272



29.0970, 22.4525, 95.5978

Complementary

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



32.0270, 22.4525, 2.6458



19.1028, 18.5805, 66.8689

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.



20.0360, 22.4525, 106.7441



32.0270, 22.4525, 2.6458



9.7356, 22.4525, 50.3353

Square

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



32.0270, 22.4525, 2.6458



10.5465, 22.4525, 6.3406



13.3426, 22.4525, 86.4385



37.7477, 22.4525, 61.8041

Rectangle

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



32.0270, 22.4525, 2.6458



17.3182, 22.4525, 1.4062



13.3426, 22.4525, 86.4385



25.9417, 22.4525, 102.7830

Sweetspot

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



32.0275, 22.4538, 2.6462



72.8567, 71.5555, 52.3548



31.5268, 15.8481, 19.7564



15.0538, 14.5914, 9.9261



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.



32.0275, 22.4538, 2.6462



46.9785, 32.7370, 3.8428



48.8330, 56.0647, 8.2480



12.8655, 13.3052, 13.0508



19.2578, 13.6328, 1.6164



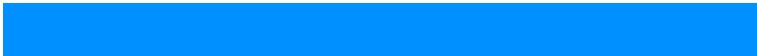
1.2431, 0.9854, 0.1247

Inverse Universe

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



19.1028, 18.5805, 66.8689



27.9486, 27.0172, 98.3495



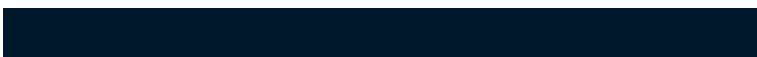
12.4273, 5.2296, 64.6437



12.3166, 13.1566, 15.8278



11.5329, 11.3275, 40.0317



0.7774, 0.8467, 2.4418

Previews

White Background



This preview shows how the XYZ color 32.0270, 22.4525, 2.6458 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 32.0270, 22.4525, 2.6458 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 32.0270, 22.4525, 2.6458

Background



This preview shows how black text looks on a background with the XYZ color 32.0270, 22.4525, 2.6458.



This preview shows how white text looks on a background with the XYZ color 32.0270, 22.4525,

2.6458.

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

32.0270, 22.4525, 2.6458

Protanopia

20.4553, 22.5790, 3.9419

Deuteranopia

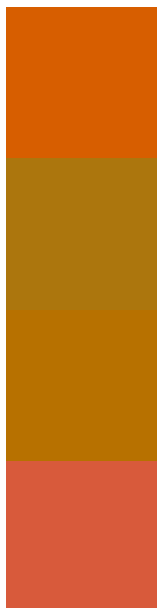
22.7247, 22.4146, 3.1287



Tritanopia

33.9993, 22.3584, 12.8796

Trichromacy



Original Color

32.0270, 22.4525, 2.6458

Protanomaly

23.5643, 21.7566, 3.3382

Deuteranomaly

25.4336, 21.8775, 2.8823

Tritanomaly

32.7645, 22.2270, 6.7010

Monochromacy



Original Color

32.0270, 22.4525, 2.6458

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

20.2069, 18.5437, 9.3517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0270, 22.4525, 2.6458 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(215, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 94, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.0270, 22.4525, 2.6458 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(215, 94, 0) }
```


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

```
.border{ border-color:rgb(215, 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(215, 94, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(215, 94, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.0270, 22.4525, 2.6458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 94, 0) }
```

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

```
.background{ background-color: rgb(215, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor