

Converting Colors

XYZ(31.8689, 21.4615, 0.5793)

Have a look what the booklet for
XYZ(31.8689, 21.4615, 0.5793)
contains.

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Color

**XYZ(32.2412, 21.5610,
2.4624)**

Conversions

Conversions Part 1

Format	Color
Hex	DA5600
RGB	218, 86, 0
RGB Percent	85%, 34%, 0%
CMY	0.1451, 0.6627, 1.0000
CMYK	0.00, 0.61, 1.00, 0.15
HSL	24°, 100%, 43%
HSV	24°, 100%, 85%
XYZ	32.2412, 21.5610, 2.4624
YIQ	115.6640, 106.2780, 1.2380

Conversions

Conversions Part 2

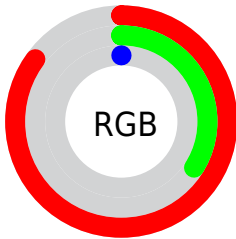
Format	Color
R_{YB}	218, 142, 0
Decimal	14308864
CIE _{Lab}	53.56, 48.89, 63.37
CIE _{LCh}	54, 80.036, 52.351
Yxy	21.5610, 0.5730, 0.3832
Android (android.graphics.Color)	4292498944 (0xFFDA5600)
YUV	115.6640, -57.0224, 89.7487
Hunter-Lab	46.4338, 42.6818, 29.3595

Details

The XYZ color **32.2412, 21.5610, 2.4624** 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 **20.9055, 21.5632, 69.3893**, and the grayscale version is **16.6448, 17.5116, 19.0702**.

A 20% lighter version of the original color is **51.5153, 40.3750, 9.7806**, and **13.9818, 7.8971, 0.7874** is the 20% darker color. If you saturate the color by 10%, you get **32.2414, 21.5618, 2.4625**, and if you desaturate by 10%, it is **33.5377, 23.9256, 3.5997**.

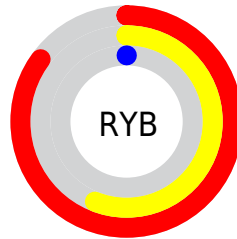
Distribution



Red (85%)

Green (34%)

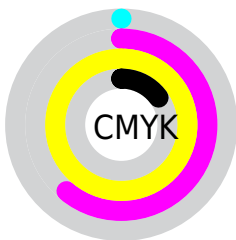
Blue (0%)



Red (85%)

Yellow (56%)

Blue (0%)

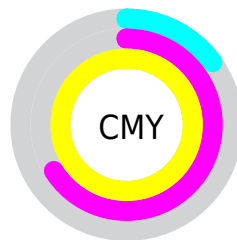


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (66%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2412, 21.5610, 2.4624 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 32.2412, 21.5610, 2.4624 by changing the saturation by 10% instead.


 32.2412, 21.5610,
2.4624


 32.2412, 21.5610,
2.4624


303.9423,
260.2451, 129.1878


 21.7022, 13.5347,
0.8201


 62.5517, 46.0193,
10.2703


 13.7536, 7.7978,
0.0000


 83.0539, 63.2202,
17.2800


 8.0301, 3.9658,
0.0000


 107.6079, 84.2479,
26.9183

 4.1662, 1.6545,
0.0000

 136.5791,
109.4871, 39.6038

 1.7966, 0.3939,
0.0000

 170.3327,
139.3220, 55.7549

 0.5156, 0.0000,
0.0000


 209.2343,


 0.0000, 0.0000,


174.1370, 75.7903


0.0000


 253.6490,
214.3166, 100.1284


 32.2412, 21.5610,
2.4624


 32.2412, 21.5610,
2.4624


 32.2414, 21.5618,
2.4625

 33.5377, 23.9256,
3.5997

 35.1996, 26.7626,
5.6546

 37.2897, 30.1129,
8.9097

 39.8464, 34.0058,
13.5243

 42.9028, 38.4677,
19.6330

■ 46.4887, 43.5228,
27.3538

■ 50.6312, 49.1939,
36.7927

■ 55.3553, 55.5024,
48.0468

■ 60.6844, 62.4684,
61.2056

Harmonies

Analogous

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



39.7277, 21.5610, 9.7549



32.2412, 21.5610, 2.4624



22.7562, 21.5610, 0.9101

Triad

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



32.2412, 21.5610, 2.4624



8.1514, 21.5610, 17.7592



27.3890, 21.5610, 99.2987

Complementary

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



32.2412, 21.5610, 2.4624



20.9055, 21.5632, 69.3893

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.



18.3853, 21.5610, 107.6647



32.2412, 21.5610, 2.4624



8.7535, 21.5610, 46.2696

Square

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



32.2412, 21.5610, 2.4624



10.0518, 21.5610, 4.8795



12.0142, 21.5610, 83.8180



36.4272, 21.5610, 65.4799

Rectangle

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



32.2412, 21.5610, 2.4624



17.1793, 21.5610, 0.9901



12.0142, 21.5610, 83.8180



24.2077, 21.5610, 105.8270

Sweetspot

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



32.2417, 21.5622, 2.4627



72.0485, 69.9390, 52.0854



33.2467, 16.6388, 24.1728



14.8641, 14.2122, 9.8629



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.



32.2417, 21.5622, 2.4627



45.8553, 30.4905, 3.4684



47.8874, 52.8538, 7.6780



13.4754, 13.8901, 13.6964



19.4142, 13.1140, 1.5080



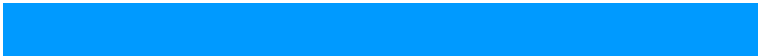
1.3403, 1.0147, 0.1252

Inverse Universe

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



20.9055, 21.5632, 69.3893



29.6712, 30.4624, 98.9237



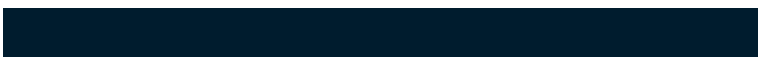
13.0119, 5.7761, 66.7581



12.9913, 13.9224, 16.6547



12.6321, 13.1337, 41.6077



0.9015, 1.0171, 2.7233

Previews

White Background



This preview shows how the XYZ color 32.2412, 21.5610, 2.4624 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 32.2412, 21.5610, 2.4624 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 32.2412, 21.5610, 2.4624

Background



This preview shows how black text looks on a background with the XYZ color 32.2412, 21.5610, 2.4624.



This preview shows how white text looks on a background with the XYZ color 32.2412, 21.5610,

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

32.2412, 21.5610, 2.4624

Protanopia

19.6721, 21.7782, 3.9258

Deuteranopia

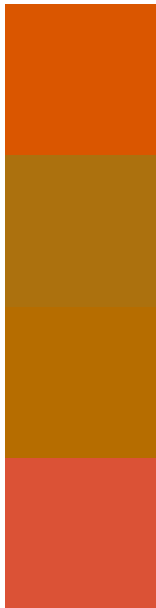
21.8598, 21.6004, 3.0172



Tritanopia

34.0236, 21.6088, 10.9720

Trichromacy



Original Color

32.2412, 21.5610, 2.4624

Protanomaly

22.9977, 20.6126, 3.1820

Deuteranomaly

24.7600, 20.8824, 2.7257

Tritanomaly

32.8966, 21.3610, 5.8793

Monochromacy



Original Color

32.2412, 21.5610, 2.4624

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

19.4245, 17.3699, 8.8075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2412, 21.5610, 2.4624 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(218, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 86, 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(218, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 86, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.2412, 21.5610, 2.4624 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(218, 86, 0) }
```


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

```
.border{ border-color:rgb(218, 86, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 86, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 86, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.2412, 21.5610, 2.4624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 86, 0) }
```

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

```
.background{ background-color: rgb(218, 86,  
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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