

Converting Colors

XYZ(31.8600, 22.3476, 0.9251)

Have a look what the booklet for
XYZ(31.8600, 22.3476, 0.9251)
contains.

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Color

**XYZ(32.3216, 22.6043,
2.6595)**

Conversions

Conversions Part 1

Format	Color
Hex	D85E00
RGB	216, 94, 0
RGB Percent	85%, 37%, 0%
CMY	0.1529, 0.6313, 1.0000
CMYK	0.00, 0.56, 1.00, 0.15
HSL	26°, 100%, 42%
HSV	26°, 100%, 85%
XYZ	32.3216, 22.6043, 2.6595
YIQ	119.7620, 102.8860, -3.3700

Conversions

Conversions Part 2

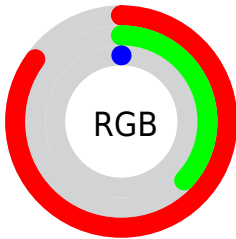
Format	Color
RYB	216, 166, 0
Decimal	14179840
CIELab	54.66, 44.42, 63.80
CIElCh	55, 77.741, 55.156
Yxy	22.6043, 0.5613, 0.3925
Android (android.graphics.Color)	4292369920 (0xFFD85E00)
YUV	119.7620, -59.0427, 84.4007
Hunter-Lab	47.5440, 38.1469, 29.9642

Details

The XYZ color **32.3216, 22.6043, 2.6595** 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 **19.3537, 18.8759, 67.5886**, and the grayscale version is **17.9371, 18.8712, 20.5508**.

A 20% lighter version of the original color is **52.5991, 42.4976, 10.2811**, and **13.9298, 8.3582, 0.8791** is the 20% darker color. If you saturate the color by 10%, you get **32.3219, 22.6051, 2.6597**, and if you desaturate by 10%, it is **33.6351, 25.0060, 3.7931**.

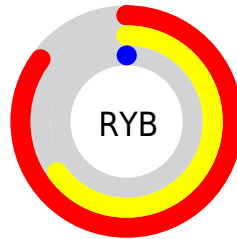
Distribution



Red (85%)

Green (37%)

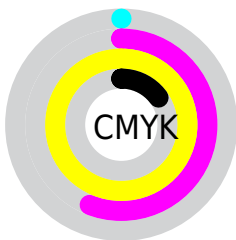
Blue (0%)



Red (85%)

Yellow (65%)

Blue (0%)

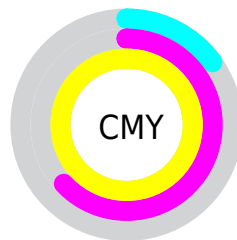


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3216, 22.6043, 2.6595 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 32.3216, 22.6043, 2.6595 by changing the saturation by 10% instead.

 32.3216, 22.6043,
2.6595


 32.3216, 22.6043,
2.6595


304.3010,
265.6860, 131.8982

 21.7640, 14.3016,
0.9229


 62.6767, 47.7428,
10.7760

 13.7992, 8.3307,
0.0000


 83.2049, 65.3473,
17.9936


 8.0619, 4.3073,
0.0000


 107.7874, 86.8213,
27.8755

 4.1867, 1.8469,
0.0000

 136.7895,
112.5491, 40.8402

 1.8083, 0.5162,
0.0000

 170.5765,
142.9150, 57.3063


 0.5227, 0.0000,
0.0000


 209.5139,


 0.0000, 0.0000,


178.3036, 77.6923


0.0000


 253.9669,
219.0991, 102.4168


 32.3216, 22.6043,
2.6595


 32.3216, 22.6043,
2.6595


 32.3219, 22.6051,
2.6597

 33.6351, 25.0060,
3.7931

 35.2849, 27.8275,
5.8167

 37.3306, 31.1051,
9.0077

 39.8080, 34.8637,
13.5209

 42.7478, 39.1258,
19.4874

■ 46.1775, 43.9121,
27.0220

■ 50.1222, 49.2420,
36.2279

■ 54.6051, 55.1334,
47.1994

■ 59.6476, 61.6038,
60.0238

Harmonies

Analogous

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



40.0811, 22.6043, 9.5257



32.3216, 22.6043, 2.6595



22.9042, 22.6043, 1.1887

Triad

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



32.3216, 22.6043, 2.6595



8.9078, 22.6043, 20.8439



29.2640, 22.6043, 96.6339

Complementary

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



32.3216, 22.6043, 2.6595



19.3537, 18.8759, 67.5886

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.



20.1251, 22.6043, 107.7364



32.3216, 22.6043, 2.6595



9.7690, 22.6043, 50.5637

Square

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



32.3216, 22.6043, 2.6595



10.6138, 22.6043, 6.3144



13.3893, 22.6043, 87.0657



38.0123, 22.6043, 62.5388

Rectangle

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



32.3216, 22.6043, 2.6595



17.4643, 22.6043, 1.3946



13.3893, 22.6043, 87.0657



26.0792, 22.6043, 103.8494

Sweetspot

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



32.3221, 22.6056, 2.6599



72.8181, 71.4783, 52.3419



31.8565, 16.0140, 19.9550



15.0447, 14.5733, 9.9231



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.



32.3221, 22.6056, 2.6599



46.9221, 32.6242, 3.8240



49.3454, 56.6522, 8.3343



12.8634, 13.3010, 13.0501



19.2345, 13.5863, 1.6086



1.2416, 0.9824, 0.1242

Inverse Universe

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



19.3537, 18.8759, 67.5886



28.0265, 27.1730, 98.3755



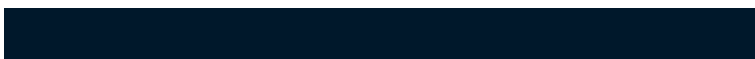
12.5572, 5.2829, 65.3231



12.3187, 13.1609, 15.8286



11.5645, 11.3908, 40.0423



0.7792, 0.8504, 2.4424

Previews

White Background



This preview shows how the XYZ color 32.3216, 22.6043, 2.6595 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 32.3216, 22.6043, 2.6595 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 32.3216, 22.6043, 2.6595

Background



This preview shows how black text looks on a background with the XYZ color 32.3216, 22.6043, 2.6595.



This preview shows how white text looks on a background with the XYZ color 32.3216, 22.6043,

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

32.3216, 22.6043, 2.6595

Protanopia

20.5903, 22.8489, 3.9869

Deuteranopia

23.0595, 22.7742, 3.1805



Tritanopia

34.2974, 22.5121, 12.8935

Trichromacy



Original Color

32.3216, 22.6043, 2.6595

Protanomaly

23.7847, 21.8702, 3.3485

Deuteranomaly

25.7845, 22.2250, 2.9309

Tritanomaly

33.0609, 22.3798, 6.7149

Monochromacy



Original Color

32.3216, 22.6043, 2.6595

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.5065, 18.8592, 9.3969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3216, 22.6043, 2.6595 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(216, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 94, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.3216, 22.6043, 2.6595 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(216, 94, 0) }
```


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

```
.border{ border-color:rgb(216, 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(216, 94, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 94, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.3216, 22.6043, 2.6595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 94, 0) }
```

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

```
.background{ background-color: rgb(216, 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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