

Converting Colors

XYZ(30.0566, 22.5099, 4.8455)

Have a look what the booklet for
XYZ(30.0566, 22.5099, 4.8455)
contains.

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Color

**XYZ(30.0534, 22.5002,
4.8568)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6629
RGB	204, 102, 41
RGB Percent	80%, 40%, 16%
CMY	0.2000, 0.6000, 0.8392
CMYK	0.00, 0.50, 0.80, 0.20
HSL	22°, 67%, 48%
HSV	22°, 80%, 80%
XYZ	30.0534, 22.5002, 4.8568
YIQ	125.5440, 80.3730, 2.6530

Conversions

Conversions Part 2

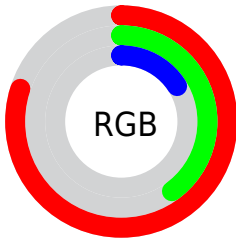
Format	Color
RYB	204, 138, 41
Decimal	13395497
CIELab	54.55, 36.52, 50.71
CIELCh	55, 62.498, 54.240
Yxy	22.5002, 0.5235, 0.3919
Android (android.graphics.Color)	4291585577 (0xFFCC6629)
YUV	125.5440, -41.6802, 68.8059
Hunter-Lab	47.4344, 30.0836, 27.1334

Details

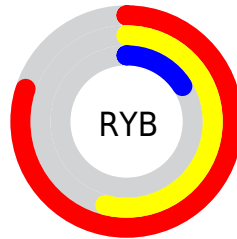
The XYZ color **30.0534, 22.5002, 4.8568** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **21.6351, 24.4742, 60.7099**, and the grayscale version is **19.7949, 20.8258, 22.6793**.

A 20% lighter version of the original color is **54.8497, 45.4580, 15.7809**, and **12.5557, 8.2956, 0.9395** is the 20% darker color. If you saturate the color by 10%, you get **28.6258, 20.0750, 3.0564**, and if you desaturate by 10%, it is **31.8595, 25.3880, 7.6930**.

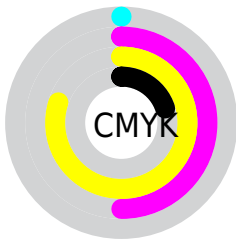
Distribution



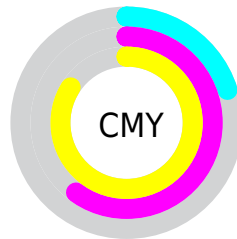
- Red (80%)
- Green (40%)
- Blue (16%)



- Red (80%)
- Yellow (54%)
- Blue (16%)



- Cyan (0%)
- Magenta (50%)
- Yellow (80%)
- Black (20%)





- Cyan (20%)
- Magenta (60%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0534, 22.5002, 4.8568 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 30.0534, 22.5002, 4.8568 by changing the saturation by 10% instead.


 30.0534, 22.5002,
4.8568


 30.0534, 22.5002,
4.8568


294.0586,
265.1474, 157.3195


 20.0274, 14.2249,
2.1062


 59.1327, 47.5713,
15.9420

 12.5233, 8.2773,
0.6195


 78.9166, 65.1360,
25.1137

 7.1759, 4.2729,
0.0000


 102.6840, 86.5658,
37.2629

 3.6196, 1.8273,
0.0000

 130.8000,
112.2453, 52.8081

 1.4893, 0.5041,
0.0000

 163.6302,
142.5588, 72.1678

 0.3185, 0.0000,
0.0000

 201.5398,

 0.0000, 0.0000,

177.8907, 95.7606

0.0000

244.8941,
218.6255, 124.0050

■ 30.0534, 22.5002,
4.8568

■ 30.0534, 22.5002,
4.8568

■ 28.6258, 20.0750,
3.0564

■ 31.8595, 25.3880,
7.6930

■ 27.5201, 18.0726,
2.0437

■ 34.0759, 28.7611,
11.6986

■ 27.5103, 18.0546,
2.0349

■ 36.7321, 32.6449,
16.9880

■ 39.8539, 37.0615,
23.6614

■ 43.4651, 42.0315,
31.8092

■ 47.5877, 47.5744,
41.5138

■ 52.2421, 53.7087,
52.8516

■ 57.4475, 60.4520,
65.8939

■ 63.2224, 67.8210,
80.7077

Harmonies

Analogous

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



35.8019, 22.5002, 12.0362



30.0534, 22.5002, 4.8568



22.7366, 22.5002, 2.8615

Triad

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



30.0534, 22.5002, 4.8568



10.7669, 22.5002, 20.9011



27.2685, 22.5002, 77.5796

Complementary

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



30.0534, 22.5002, 4.8568



21.6351, 24.4742, 60.7099

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.



20.0896, 22.5002, 84.5462



30.0534, 22.5002, 4.8568



11.4755, 22.5002, 43.5017

Square

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



30.0534, 22.5002, 4.8568



12.3717, 22.5002, 8.3942



14.5689, 22.5002, 69.6906



33.9684, 22.5002, 53.8547

Rectangle

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



30.0534, 22.5002, 4.8568



18.3037, 22.5002, 3.0995



14.5689, 22.5002, 69.6906



24.7957, 22.5002, 82.3514

Sweetspot

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



30.0539, 22.5014, 4.8572



75.6921, 74.6200, 61.3349



30.7465, 16.4440, 28.0327



15.6819, 15.2717, 11.9116



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.



30.0539, 22.5014, 4.8572



46.0297, 30.7500, 3.8022



42.0844, 46.5624, 8.8673



11.5506, 11.8901, 11.7657



17.3981, 11.5291, 1.3084



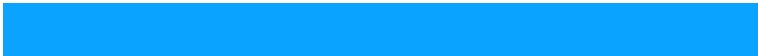
0.9699, 0.7395, 0.0916

Inverse Universe

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



21.6351, 24.4742, 60.7099



31.3422, 33.6149, 99.4442



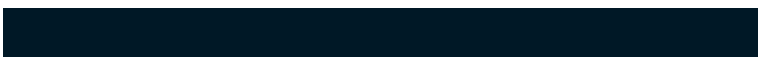
13.5764, 8.3568, 58.0236



11.1767, 11.9939, 14.2963



11.7817, 12.5873, 37.7649



0.6792, 0.7921, 1.9720

Previews

White Background



This preview shows how the XYZ color 30.0534, 22.5002, 4.8568 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 30.0534, 22.5002, 4.8568 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 30.0534, 22.5002, 4.8568

Background



This preview shows how black text looks on a background with the XYZ color 30.0534, 22.5002, 4.8568.



This preview shows how white text looks on a background with the XYZ color 30.0534, 22.5002,

4.8568.

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

30.0534, 22.5002, 4.8568

Protanopia

20.5247, 22.5653, 6.1795

Deuteranopia

22.9992, 22.5244, 4.5743



Tritanopia

32.3133, 22.5904, 15.2277

Trichromacy



Original Color

30.0534, 22.5002, 4.8568

Protanomaly

23.1460, 21.8457, 5.5815

Deuteranomaly

25.1542, 22.2019, 4.6287

Tritanomaly

31.2692, 22.4364, 10.2720

Monochromacy



Original Color

30.0534, 22.5002, 4.8568

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.7533, 20.4188, 13.6212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0534, 22.5002, 4.8568 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(204, 102, 41)` looks like.

```
.text, #text, p{  
    color:rgb(204, 102, 41)  
}
```

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(204, 102, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 102, 41) }
```

Border

The CSS property to change the border of an element to XYZ 30.0534, 22.5002, 4.8568 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(204, 102, 41) }
```


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

```
.border{ border-color:rgb(204, 102, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 102, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 102, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 102, 41);  
box-shadow:4px 4px 4px 4px rgb(204, 102,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0534, 22.5002, 4.8568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 102, 41) }
```

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

```
.background{ background-color: rgb(204,  
102, 41) }
```

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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