

Converting Colors

XYZ(29.8525, 22.3454, 5.7164)

Have a look what the booklet for
XYZ(29.8525, 22.3454, 5.7164)
contains.

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Color

**XYZ(29.9557, 22.4295,
5.7681)**

Conversions

Conversions Part 1

Format	Color
Hex	CB6632
RGB	203, 102, 50
RGB Percent	80%, 40%, 20%
CMY	0.2039, 0.6000, 0.8039
CMYK	0.00, 0.50, 0.75, 0.20
HSL	20°, 60%, 50%
HSV	20°, 75%, 80%
XYZ	29.9557, 22.4295, 5.7681
YIQ	126.2710, 76.8880, 5.2400

Conversions

Conversions Part 2

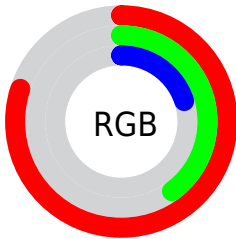
Format	Color
RYB	203, 129, 50
Decimal	13329970
CIELab	54.48, 36.47, 46.40
CIELCh	54, 59.021, 51.833
Yxy	22.4295, 0.5151, 0.3857
Android (android.graphics.Color)	4291520050 (0xFFCB6632)
YUV	126.2710, -37.6016, 67.2913
Hunter-Lab	47.3598, 30.0240, 25.9307

Details

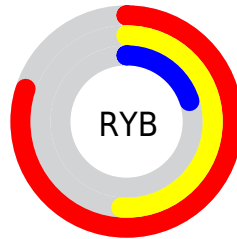
The XYZ color **29.9557, 22.4295, 5.7681** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **23.1607, 27.1215, 60.5139**, and the grayscale version is **20.0299, 21.0730, 22.9485**.

A 20% lighter version of the original color is **55.2135, 45.6035, 17.6967**, and **12.5557, 8.2956, 0.9395** is the 20% darker color. If you saturate the color by 10%, you get **28.3987, 19.8681, 3.5466**, and if you desaturate by 10%, it is **31.9207, 25.4968, 9.0834**.

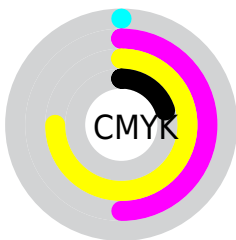
Distribution



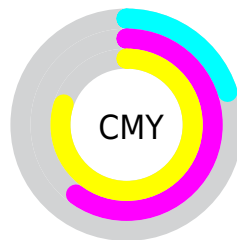
- Red (80%)
- Green (40%)
- Blue (20%)



- Red (80%)
- Yellow (51%)
- Blue (20%)



- Cyan (0%)
- Magenta (50%)
- Yellow (75%)
- Black (20%)





- Cyan (20%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9557, 22.4295, 5.7681 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 29.9557, 22.4295, 5.7681 by changing the saturation by 10% instead.


 29.9557, 22.4295,
5.7681


 29.9557, 22.4295,
5.7681


293.6114,
264.7811, 166.2169


 19.9529, 14.1728,
2.6381


 58.9792, 47.4548,
17.9169


 12.4689, 8.2410,
0.9120


 78.7306, 64.9923,
27.7728


 7.1383, 4.2495,
0.0000


 102.4623, 86.3922,
40.7077

 3.5958, 1.8141,
0.0000

 130.5395,
112.0388, 57.1402

 1.4761, 0.4959,
0.0000

 163.3277,
142.3166, 77.4889

 0.3095, 0.0000,
0.0000

 201.1922,

 0.0000, 0.0000,

177.6100, 102.1721

0.0000

244.4983,
218.3034, 131.6086

■ 29.9557, 22.4295,
5.7681

■ 29.9557, 22.4295,
5.7681

■ 28.3987, 19.8681,
3.5466

■ 31.9207, 25.4968,
9.0834

■ 27.2101, 17.7772,
2.2672

■ 34.3244, 29.0944,
13.6143

■ 26.7566, 16.9527,
1.8620

■ 37.1960, 33.2493,
19.4678

■ 40.5613, 37.9855,
26.7385

■ 44.4442, 43.3252,
35.5122

■ 48.8669, 49.2897,
45.8680

■ 53.8502, 55.8989,
57.8794

■ 59.4137, 63.1720,
71.6150

■ 65.5761, 71.1273,
87.1399

Harmonies

Analogous

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



35.0579, 22.4295, 13.4344



29.9557, 22.4295, 5.7681



23.1329, 22.4295, 3.4186

Triad

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



29.9557, 22.4295, 5.7681



11.2329, 22.4295, 19.7073



26.2814, 22.4295, 74.5866

Complementary

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



29.9557, 22.4295, 5.7681



23.1607, 27.1215, 60.5139

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.



19.6016, 22.4295, 79.2953



29.9557, 22.4295, 5.7681



11.7395, 22.4295, 40.1904

Square

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



29.9557, 22.4295, 5.7681



12.9658, 22.4295, 8.3715



14.5251, 22.4295, 64.4429



32.6556, 22.4295, 53.6729

Rectangle

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



29.9557, 22.4295, 5.7681



18.8709, 22.4295, 3.5262



14.5251, 22.4295, 64.4429



23.9693, 22.4295, 78.4319

Sweetspot

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



29.9562, 22.4307, 5.7685



75.8728, 74.5196, 62.8185



31.4366, 17.2448, 31.3775



15.6938, 15.2072, 12.1876



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.



29.9562, 22.4307, 5.7685



46.3219, 31.1342, 4.5163



41.0253, 44.5689, 9.4582



11.5188, 11.8266, 11.7551



17.1042, 10.9413, 1.2104



0.9525, 0.7047, 0.0858

Inverse Universe

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



23.1607, 27.1215, 60.5139



34.1839, 38.8742, 100.3095



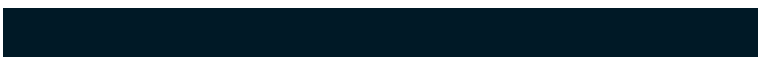
14.6451, 10.0903, 57.6753



11.2097, 12.0598, 14.3073



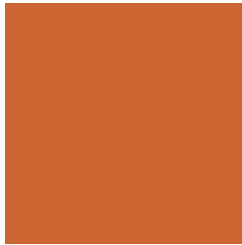
12.3726, 13.7692, 37.9619



0.7069, 0.8475, 1.9813

Previews

White Background



This preview shows how the XYZ color 29.9557, 22.4295, 5.7681 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 29.9557, 22.4295, 5.7681 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 29.9557, 22.4295, 5.7681

Background



This preview shows how black text looks on a background with the XYZ color 29.9557, 22.4295, 5.7681.



This preview shows how white text looks on a background with the XYZ color 29.9557, 22.4295,

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

29.9557, 22.4295, 5.7681

Protanopia

20.5571, 22.5578, 7.2736

Deuteranopia

22.9721, 22.4897, 5.5131



Tritanopia

32.0847, 22.4668, 15.4774

Trichromacy



Original Color

29.9557, 22.4295, 5.7681

Protanomaly

23.1319, 21.8158, 6.6061

Deuteranomaly

25.0986, 22.1530, 5.5379

Tritanomaly

31.1448, 22.3546, 11.0609

Monochromacy



Original Color

29.9557, 22.4295, 5.7681

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.8923, 20.4744, 14.3534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9557, 22.4295, 5.7681 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(203, 102, 50)` looks like.

```
.text, #text, p{  
    color:rgb(203, 102, 50)  
}
```

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(203, 102, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 102, 50) }
```

Border

The CSS property to change the border of an element to XYZ 29.9557, 22.4295, 5.7681 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(203, 102, 50) }
```


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

```
.border{ border-color:rgb(203, 102, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 102, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 102, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 102, 50);  
box-shadow:4px 4px 4px 4px rgb(203, 102,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9557, 22.4295, 5.7681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 102, 50) }
```

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

```
.background{ background-color: rgb(203,  
102, 50) }
```

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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