

Converting Colors

XYZ(24.2558, 20.1558, 4.6115)

Have a look what the booklet for
XYZ(24.2558, 20.1558, 4.6115)
contains.

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Color

**XYZ(24.1274, 20.0450,
4.6049)**

Conversions

Conversions Part 1

Format	Color
Hex	B36A28
RGB	179, 106, 40
RGB Percent	70%, 42%, 16%
CMY	0.2980, 0.5843, 0.8431
CMYK	0.00, 0.41, 0.78, 0.30
HSL	28°, 63%, 43%
HSV	28°, 78%, 70%
XYZ	24.1274, 20.0450, 4.6049
YIQ	120.3030, 64.6940, -5.0500

Conversions

Conversions Part 2

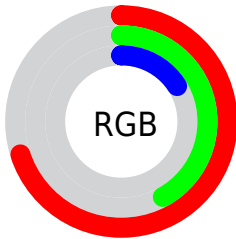
Format	Color
R _Y B	179, 166, 40
Decimal	11758120
CIE Lab	51.89, 23.97, 47.37
CIE LCh	52, 53.085, 63.161
Yxy	20.0450, 0.4946, 0.4109
Android (android.graphics.Color)	4289948200 (0xFFB36A28)
YUV	120.3030, -39.5894, 51.4773
Hunter-Lab	44.7716, 17.8431, 25.2420

Details

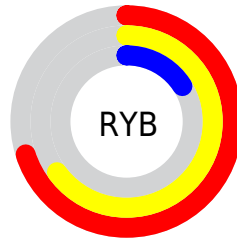
The XYZ color **24.1274, 20.0450, 4.6049** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **14.9164, 15.5150, 44.8559**, and the grayscale version is **18.0587, 18.9992, 20.6901**.

A 20% lighter version of the original color is **49.6689, 43.5426, 15.4596**, and **9.3982, 7.0911, 0.8734** is the 20% darker color. If you saturate the color by 10%, you get **22.9743, 18.1186, 3.0506**, and if you desaturate by 10%, it is **25.5285, 22.2423, 6.9376**.

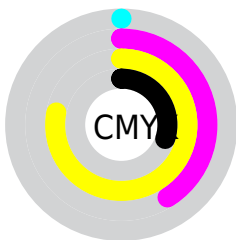
Distribution



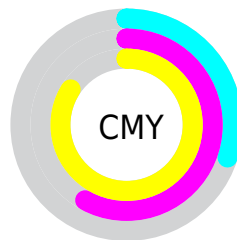
- Red (70%)
- Green (42%)
- Blue (16%)



- Red (70%)
- Yellow (65%)
- Blue (16%)



- Cyan (0%)
- Magenta (41%)
- Yellow (78%)
- Black (30%)





- Cyan (30%)
- Magenta (58%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1274, 20.0450, 4.6049 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 24.1274, 20.0450, 4.6049 by changing the saturation by 10% instead.


 24.1274, 20.0450,
4.6049


 24.1274, 20.0450,
4.6049


265.8925,
252.1586, 154.7286


 15.5534, 12.4278,
1.9627


 49.6912, 43.4926,
15.3824


 9.2975, 7.0357,
0.5322


 67.4117, 60.0918,
24.3548


 4.9944, 3.4844,
0.0000

 88.9117, 80.4537,
36.2744

 2.2787, 1.3896,
0.0000

 114.5566,
104.9628, 51.5597

 0.7837, 0.2090,
0.0000

 144.7118,
134.0034, 70.6292

 0.0000, 0.0000,
0.0000

 179.7426,

167.9600, 93.9015

220.0144,
207.2170, 121.7952

■ 24.1274, 20.0450,
4.6049

■ 24.1274, 20.0450,
4.6049

■ 22.9743, 18.1186,
3.0506

■ 25.5285, 22.2423,
6.9376

■ 22.0381, 16.4425,
2.1329

■ 27.1969, 24.7207,
10.1396

■ 21.8386, 16.0804,
1.9528

■ 29.1508, 27.4935,
14.2900

■ 31.4063, 30.5719,
19.4589

■ 33.9783, 33.9663,
25.7094

■ 36.8802, 37.6867,
33.0997

■ 40.1248, 41.7424,
41.6836

■ 43.7242, 46.1424,
51.5116

■ 47.6897, 50.8954,
62.6311

Harmonies

Analogous

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



29.1173, 20.0450, 9.2785



24.1274, 20.0450, 4.6049



18.4860, 20.0450, 3.5752

Triad

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



24.1274, 20.0450, 4.6049



10.4611, 20.0450, 23.5046



25.3054, 20.0450, 57.3177

Complementary

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



24.1274, 20.0450, 4.6049



14.9164, 15.5150, 44.8559

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.



19.6298, 20.0450, 66.9301



24.1274, 20.0450, 4.6049



11.6235, 20.0450, 42.4322

Square

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



24.1274, 20.0450, 4.6049



11.2170, 20.0450, 10.9764



14.7438, 20.0450, 60.4919



29.8826, 20.0450, 38.1652

Rectangle

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



24.1274, 20.0450, 4.6049



15.2579, 20.0450, 4.3254



14.7438, 20.0450, 60.4919



23.4284, 20.0450, 62.0948

Sweetspot

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



24.1279, 20.0460, 4.6053



62.9973, 63.6022, 51.4337



22.3939, 12.3193, 17.1571



13.5568, 13.5743, 10.3870



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.1279, 20.0460, 4.6053



39.9539, 30.3295, 4.2482



34.1801, 40.1505, 7.9560



8.8181, 9.1487, 8.9536



15.4967, 11.4919, 1.4014



0.5461, 0.4787, 0.0636

Inverse Universe

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



14.9164, 15.5150, 44.8559



22.7164, 21.7932, 79.3904



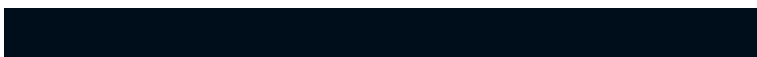
9.9363, 5.5549, 43.1958



8.3989, 8.9440, 10.7900



8.6439, 8.0882, 31.2426



0.3299, 0.3703, 1.0023

Previews

White Background



This preview shows how the XYZ color 24.1274, 20.0450, 4.6049 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 24.1274, 20.0450, 4.6049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

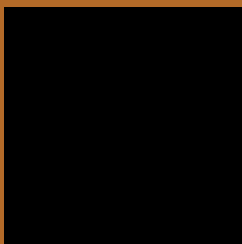
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1274, 20.0450, 4.6049

Background



This preview shows how black text looks on a background with the XYZ color 24.1274, 20.0450, 4.6049.



This preview shows how white text looks on a background with the XYZ color 24.1274, 20.0450,

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

24.1274, 20.0450, 4.6049

Protanopia

18.3288, 20.0937, 5.3951

Deuteranopia

20.5072, 20.1522, 4.4780



Tritanopia

26.4071, 19.9303, 16.3650

Trichromacy



Original Color

24.1274, 20.0450, 4.6049

Protanomaly

20.1238, 19.7670, 5.0403

Deuteranomaly

21.6611, 20.0607, 4.4807

Tritanomaly

25.3688, 19.9510, 10.6975

Monochromacy



Original Color

24.1274, 20.0450, 4.6049

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.0036, 18.6795, 12.5014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1274, 20.0450, 4.6049 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(179, 106, 40)` looks like.

```
.text, #text, p{  
    color:rgb(179, 106, 40)  
}
```

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(179, 106, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 106, 40) }
```

Border

The CSS property to change the border of an element to XYZ 24.1274, 20.0450, 4.6049 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(179, 106, 40) }
```


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

```
.border{ border-color:rgb(179, 106, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 106, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 106, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 106, 40);  
box-shadow:4px 4px 4px 4px rgb(179, 106,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1274, 20.0450, 4.6049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 106, 40) }
```

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

```
.background{ background-color: rgb(179,  
106, 40) }
```

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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