

Converting Colors

XYZ(24.6088, 18.0438, 2.2532)

Have a look what the booklet for
XYZ(24.6088, 18.0438, 2.2532)
contains.

XYZ(24.5696, 17.9680, 2.2306)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.5696, 17.9680,
2.2306)**

Conversions

Conversions Part 1

Format	Color
Hex	BD5902
RGB	189, 89, 2
RGB Percent	74%, 35%, 1%
CMY	0.2588, 0.6510, 0.9921
CMYK	0.00, 0.53, 0.99, 0.26
HSL	28°, 98%, 37%
HSV	28°, 99%, 74%
XYZ	24.5696, 17.9680, 2.2306
YIQ	108.9820, 87.5270, -5.8570

Conversions

Conversions Part 2

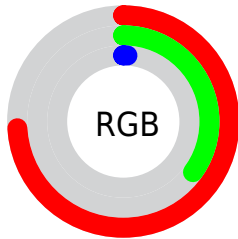
Format	Color
RYB	189, 165, 2
Decimal	12409090
CIELab	49.46, 36.37, 58.13
CIELCh	49, 68.571, 57.971
Yxy	17.9680, 0.5488, 0.4014
Android (android.graphics.Color)	4290599170 (0xFFBD5902)
YUV	108.9820, -52.7421, 70.1758
Hunter-Lab	42.3887, 29.2831, 26.5521

Details

The XYZ color **24.5696, 17.9680, 2.2306** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.9612, 13.1889, 49.9535**, and the grayscale version is **14.6590, 15.4224, 16.7950**.

A 20% lighter version of the original color is **50.5393, 40.0930, 9.6324**, and **9.6276, 6.0402, 0.6585** is the 20% darker color. If you saturate the color by 10%, you get **24.4705, 17.7876, 2.1436**, and if you desaturate by 10%, it is **25.5931, 19.8176, 3.1810**.

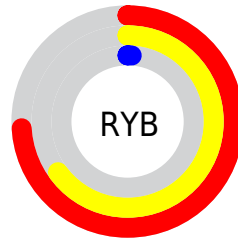
Distribution



Red (74%)

Green (35%)

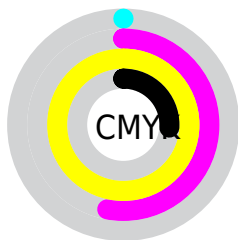
Blue (1%)



Red (74%)

Yellow (65%)

Blue (1%)

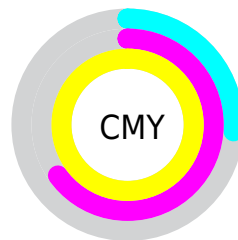


Cyan (0%)

Magenta (53%)

Yellow (99%)

Black (26%)



Cyan (26%)


Magenta (65%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5696, 17.9680, 2.2306 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 24.5696, 17.9680, 2.2306 by changing the saturation by 10% instead.


 24.5696, 17.9680,
2.2306


 24.5696, 17.9680,
2.2306


268.0750,
240.6906, 125.8606


 15.8837, 10.9270,
0.6919


 50.4061, 39.9828,
9.6622


 9.5322, 6.0178,
0.0000


 68.2873, 55.7254,
16.4170


 5.1498, 2.8559,
0.0000

 89.9645, 75.1373,
25.7559

 2.3711, 1.0570,
0.0000

 115.8028, 98.6030,
38.0974


 0.8307, 0.0000,
0.0000


 146.1676,
126.5067, 53.8601


 0.0000, 0.0000,
0.0000


 181.4244,


159.2330, 73.4625


 221.9384,
197.1661, 97.3232


 24.5696, 17.9680,
2.2306

 24.5696, 17.9680,
2.2306


 24.4705, 17.7876,
2.1436

 25.5931, 19.8176,
3.1810

 26.8578, 21.9548,
4.8121

 28.4035, 24.4028,
7.3106

 30.2543, 27.1777,
10.7845

 32.4314, 30.2941,
15.3261

■ 34.9536, 33.7653,
21.0165

■ 37.8380, 37.6039,
27.9290

■ 41.1006, 41.8214,
36.1308

■ 44.7563, 46.4292,
45.6841

Harmonies

Analogous

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



30.6046, 17.9680, 7.1521



24.5696, 17.9680, 2.2306



17.5228, 17.9680, 1.1856

Triad

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



24.5696, 17.9680, 2.2306



7.4119, 17.9680, 18.3283



23.6091, 17.9680, 70.9829

Complementary

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



24.5696, 17.9680, 2.2306



13.9612, 13.1889, 49.9535

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.



16.6409, 17.9680, 81.2221



24.5696, 17.9680, 2.2306



8.2725, 17.9680, 41.5087

Square

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



24.5696, 17.9680, 2.2306



8.5474, 17.9680, 6.0911



11.2889, 17.9680, 68.0428



29.9587, 17.9680, 45.2258

Rectangle

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



24.5696, 17.9680, 2.2306



13.5172, 17.9680, 1.4708



11.2889, 17.9680, 68.0428



21.2150, 17.9680, 76.8663

Sweetspot

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



24.5700, 17.9690, 2.2309



66.9297, 66.2469, 47.9676



23.5500, 11.8791, 14.3761



13.9165, 13.6147, 9.1655



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.5700, 17.9690, 2.2309



43.5923, 31.3882, 3.7610



37.2476, 43.3242, 6.4568



9.8862, 10.2484, 10.0337



16.5397, 12.1182, 1.4673



0.7133, 0.6056, 0.0793

Inverse Universe

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



13.9612, 13.1889, 49.9535



24.5540, 22.7866, 89.3303



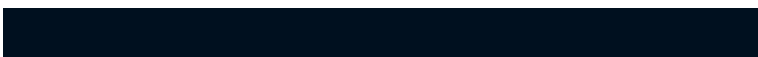
9.3341, 3.9345, 48.4111



9.4275, 10.0474, 12.1147



9.3926, 8.8970, 33.6151



0.4328, 0.4783, 1.3384

Previews

White Background



This preview shows how the XYZ color 24.5696, 17.9680, 2.2306 looks on a white 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

Black Background



This preview shows how the XYZ color 24.5696, 17.9680, 2.2306 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 24.5696, 17.9680, 2.2306

Background



This preview shows how black text looks on a background with the XYZ color 24.5696, 17.9680, 2.2306.



This preview shows how white text looks on a background with the XYZ color 24.5696, 17.9680,

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

24.5696, 17.9680, 2.2306

Protanopia

16.3709, 18.2207, 3.1844

Deuteranopia

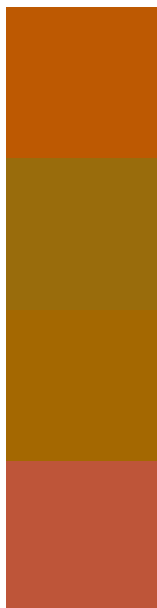
18.1886, 17.9779, 2.5114



Tritanopia

26.3406, 17.9675, 11.3123

Trichromacy



Original Color

24.5696, 17.9680, 2.2306

Protanomaly

18.5658, 17.5240, 2.7518

Deuteranomaly

20.2656, 17.7953, 2.3954

Tritanomaly

25.2222, 17.7396, 5.9656

Monochromacy



Original Color

24.5696, 17.9680, 2.2306

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.3381, 15.3482, 7.8957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5696, 17.9680, 2.2306 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(189, 89, 2)` looks like.

```
.text, #text, p{  
    color:rgb(189, 89, 2)  
}
```

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(189, 89, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 89, 2) }
```

Border

The CSS property to change the border of an element to XYZ 24.5696, 17.9680, 2.2306 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(189, 89, 2) }
```


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

```
.border{ border-color:rgb(189, 89, 2) }
```

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

Here you see how a box with a 4 pixel rgb(189, 89, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 89, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 89, 2);  
box-shadow:4px 4px 4px 4px rgb(189, 89, 2)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.5696, 17.9680, 2.2306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 89, 2) }
```

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

```
.background{ background-color: rgb(189, 89,  
2) }
```

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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