

Converting Colors

XYZ(24.8706, 17.7523, 2.1157)

Have a look what the booklet for
XYZ(24.8706, 17.7523, 2.1157)
contains.

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Color

**XYZ(24.8136, 17.7319,
2.1148)**

Conversions

Conversions Part 1

Format	Color
Hex	BF5600
RGB	191, 86, 0
RGB Percent	75%, 34%, 0%
CMY	0.2510, 0.6627, 1.0000
CMYK	0.00, 0.55, 1.00, 0.25
HSL	27°, 100%, 37%
HSV	27°, 100%, 75%
XYZ	24.8136, 17.7319, 2.1148
YIQ	107.5910, 90.1860, -4.4860

Conversions

Conversions Part 2

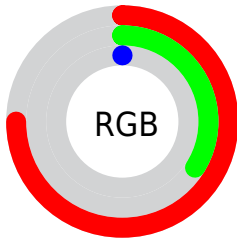
Format	Color
R_{YB}	191, 156, 0
Decimal	12539392
CIE _{Lab}	49.17, 38.66, 58.60
CIE _{LCh}	49, 70.203, 56.587
Yxy	17.7319, 0.5556, 0.3970
Android (android.graphics.Color)	4290729472 (0xFFBF5600)
YUV	107.5910, -53.0424, 73.1497
Hunter-Lab	42.1093, 31.4930, 26.4988

Details

The XYZ color **24.8136, 17.7319, 2.1148** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.4553, 13.8642, 51.2039**, and the grayscale version is **14.2661, 15.0090, 16.3448**.

A 20% lighter version of the original color is **50.8038, 39.5847, 9.3778**, and **9.8070, 5.9479, 0.6312** is the 20% darker color. If you saturate the color by 10%, you get **24.8137, 17.7324, 2.1149**, and if you desaturate by 10%, it is **25.8333, 19.5820, 3.0390**.

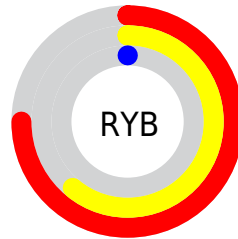
Distribution



Red (75%)

Green (34%)

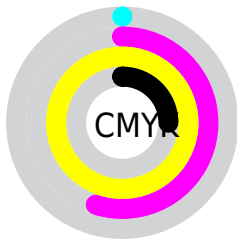
Blue (0%)



Red (75%)

Yellow (61%)

Blue (0%)

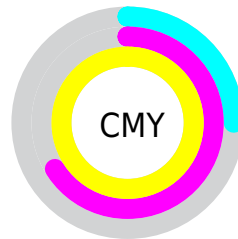


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (66%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8136, 17.7319, 2.1148 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 24.8136, 17.7319, 2.1148 by changing the saturation by 10% instead.

■ 24.8136, 17.7319,
2.1148

■ 24.8136, 17.7319,
2.1148

269.2732,
239.3555, 124.1347

■ 16.0662, 10.7577,
0.6246

■ 50.7997, 39.5800,
9.3523

■ 9.6622, 5.9041,
0.0000

■ 68.7692, 55.2226,
15.9751

■ 5.2361, 2.7869,
0.0000

■ 90.5434, 74.5235,
25.1585

■ 2.4226, 1.0215,
0.0000

■ 116.4878, 97.8670,
37.3211


■ 0.8564, 0.0000,
0.0000


■ 146.9675,
125.6376, 52.8815


■ 0.0000, 0.0000,
0.0000


■ 182.3481,


158.2196, 72.2582


 222.9949,
195.9974, 95.8697


 24.8136, 17.7319,
2.1148

 24.8136, 17.7319,
2.1148


 24.8137, 17.7324,
2.1149

 25.8333, 19.5820,
3.0390

 27.0971, 21.7341,
4.6180

 28.6521, 24.2153,
7.0748

 30.5241, 27.0433,
10.5226

 32.7352, 30.2337,
15.0575

■ 35.3055, 33.8011,
20.7641

■ 38.2530, 37.7590,
27.7184

■ 41.5945, 42.1202,
35.9901

■ 45.3457, 46.8969,
45.6436

Harmonies

Analogous

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



30.8672, 17.7319, 7.2174



24.8136, 17.7319, 2.1148



17.6172, 17.7319, 1.0288

Triad

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



24.8136, 17.7319, 2.1148



7.1250, 17.7319, 17.2317



23.1652, 17.7319, 73.1188

Complementary

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



24.8136, 17.7319, 2.1148



14.4553, 13.8642, 51.2039

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.



16.1125, 17.7319, 82.6467



24.8136, 17.7319, 2.1148



7.8910, 17.7319, 40.4548

Square

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



24.8136, 17.7319, 2.1148



8.3533, 17.7319, 5.4489



10.8090, 17.7319, 68.0080



29.7547, 17.7319, 46.8782

Rectangle

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



24.8136, 17.7319, 2.1148



13.4976, 17.7319, 1.2468



10.8090, 17.7319, 68.0080



20.7243, 17.7319, 78.9038

Sweetspot

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



24.8140, 17.7329, 2.1151



68.2442, 67.2725, 48.9968



24.0382, 12.0974, 14.4466



14.4755, 14.0920, 9.5403



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.8140, 17.7329, 2.1151



44.2071, 31.2893, 3.7095



38.1011, 44.3071, 6.5441



9.8744, 10.2247, 10.0298



16.3856, 11.8099, 1.4159



0.7072, 0.5933, 0.0772

Inverse Universe

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



14.4553, 13.8642, 51.2039



25.6428, 24.3376, 91.6252



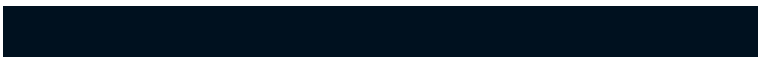
9.5076, 3.9690, 49.5547



9.4395, 10.0712, 12.1186



9.5811, 9.2739, 33.6780



0.4398, 0.4922, 1.3407

Previews

White Background



This preview shows how the XYZ color 24.8136, 17.7319, 2.1148 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 24.8136, 17.7319, 2.1148 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 24.8136, 17.7319, 2.1148

Background



This preview shows how black text looks on a background with the XYZ color 24.8136, 17.7319, 2.1148.



This preview shows how white text looks on a background with the XYZ color 24.8136, 17.7319,

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

24.8136, 17.7319, 2.1148

Protanopia

16.2605, 17.9871, 3.1871

Deuteranopia

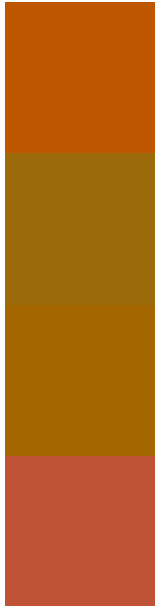
18.0069, 17.8842, 2.5029



Tritanopia

26.5007, 17.7307, 10.6199

Trichromacy



Original Color

24.8136, 17.7319, 2.1148

Protanomaly

18.5409, 17.2023, 2.6598

Deuteranomaly

20.1601, 17.5930, 2.3332

Tritanomaly

25.4214, 17.5074, 5.5294

Monochromacy



Original Color

24.8136, 17.7319, 2.1148

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.1126, 14.9473, 7.6661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8136, 17.7319, 2.1148 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(191, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 86, 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(191, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 86, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.8136, 17.7319, 2.1148 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(191, 86, 0) }
```


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

```
.border{ border-color:rgb(191, 86, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 86, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 86, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.8136, 17.7319, 2.1148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 86, 0) }
```

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

```
.background{ background-color: rgb(191, 86,  
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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