

Converting Colors

XYZ(24.9622, 17.9356, 2.1463)

Have a look what the booklet for
XYZ(24.9622, 17.9356, 2.1463)
contains.

XYZ(24.8941, 17.8928, 2.1416)	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(24.8941, 17.8928,
2.1416)**

Conversions

Conversions Part 1

Format	Color
Hex	BF5700
RGB	191, 87, 0
RGB Percent	75%, 34%, 0%
CMY	0.2510, 0.6588, 1.0000
CMYK	0.00, 0.54, 1.00, 0.25
HSL	27°, 100%, 37%
HSV	27°, 100%, 75%
XYZ	24.8941, 17.8928, 2.1416
YIQ	108.1780, 89.9110, -5.0090

Conversions

Conversions Part 2

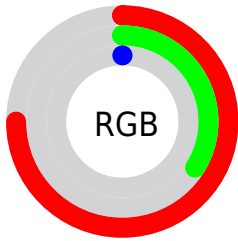
Format	Color
R_{YB}	191, 160, 0
Decimal	12539648
CIE Lab	49.37, 38.16, 58.71
CIE LCh	49, 70.022, 56.980
Yxy	17.8928, 0.5541, 0.3983
Android (android.graphics.Color)	4290729728 (0xFFBF5700)
YUV	108.1780, -53.3318, 72.6349
Hunter-Lab	42.2999, 31.0251, 26.6081

Details

The XYZ color **24.8941, 17.8928, 2.1416** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.3540, 13.6617, 51.1703**, and the grayscale version is **14.4322, 15.1838, 16.5351**.

A 20% lighter version of the original color is **50.9480, 39.8730, 9.4259**, and **9.8675, 6.0690, 0.6514** is the 20% darker color. If you saturate the color by 10%, you get **24.8943, 17.8934, 2.1417**, and if you desaturate by 10%, it is **25.9165, 19.7483, 3.0667**.

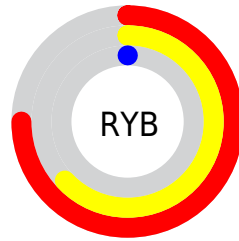
Distribution



Red (75%)

Green (34%)

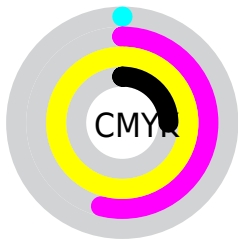
Blue (0%)



Red (75%)

Yellow (63%)

Blue (0%)

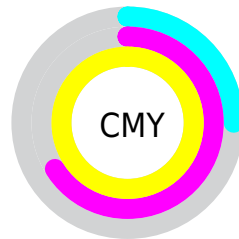


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (66%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8941, 17.8928, 2.1416 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 24.8941, 17.8928, 2.1416 by changing the saturation by 10% instead.


 24.8941, 17.8928,
2.1416


 24.8941, 17.8928,
2.1416


269.6675,
240.2661, 124.5382


 16.1265, 10.8731,
0.6404


 50.9295, 39.8546,
9.4244


 9.7051, 5.9815,
0.0000


 68.9280, 55.5654,
16.0780


 5.2646, 2.8339,
0.0000

 90.7342, 74.9420,
25.2978

 2.4397, 1.0456,
0.0000

 116.7134, 98.3688,
37.5023


 0.8650, 0.0000,
0.0000


 147.2309,
126.2303, 53.1100


 0.0000, 0.0000,
0.0000


 182.6523,


158.9107, 72.5396


 223.3427,
196.7945, 96.2094


 24.8941, 17.8928,
2.1416


 24.8941, 17.8928,
2.1416


 24.8943, 17.8934,
2.1417

 25.9165, 19.7483,
3.0667

 27.1810, 21.9018,
4.6459

 28.7345, 24.3800,
7.1022

 30.6026, 27.2004,
10.5487

 32.8075, 30.3782,
15.0815

■ 35.3690, 33.9279,
20.7851

■ 38.3049, 37.8628,
27.7356

■ 41.6321, 42.1953,
36.0025

■ 45.3661, 46.9375,
45.6503

Harmonies

Analogous

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



30.9937, 17.8928, 7.2148



24.8941, 17.8928, 2.1416



17.6833, 17.8928, 1.0652

Triad

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



24.8941, 17.8928, 2.1416



7.2269, 17.8928, 17.6312



23.4322, 17.8928, 73.0694

Complementary

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



24.8941, 17.8928, 2.1416



14.3540, 13.6617, 51.1703

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.



16.3473, 17.8928, 82.8991



24.8941, 17.8928, 2.1416



8.0247, 17.8928, 41.0378

Square

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



24.8941, 17.8928, 2.1416



8.4364, 17.8928, 5.6375



10.9905, 17.8928, 68.5483



30.0078, 17.8928, 46.7265

Rectangle

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



24.8941, 17.8928, 2.1416



13.5658, 17.8928, 1.3016



10.9905, 17.8928, 68.5483



20.9849, 17.8928, 78.9392

Sweetspot

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



24.8945, 17.8938, 2.1419



68.3382, 67.4605, 49.0281



24.0382, 12.0974, 14.4466



14.4982, 14.1374, 9.5479



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.



24.8945, 17.8938, 2.1419



44.3501, 31.5753, 3.7571



38.1012, 44.3072, 6.5441



9.8785, 10.2330, 10.0311



16.4388, 11.9163, 1.4337



0.7093, 0.5976, 0.0780

Inverse Universe

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



14.3540, 13.6617, 51.1703



25.4615, 23.9749, 91.5648



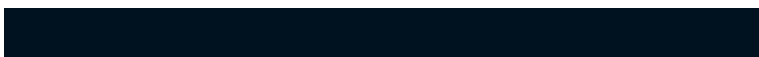
9.5077, 3.9690, 49.5549



9.4353, 10.0629, 12.1172



9.5145, 9.1408, 33.6558



0.4373, 0.4873, 1.3399

Previews

White Background



This preview shows how the XYZ color 24.8941, 17.8928, 2.1416 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



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 24.8941, 17.8928, 2.1416

Background



This preview shows how black text looks on a background with the XYZ color 24.8941, 17.8928, 2.1416.



This preview shows how white text looks on a background with the XYZ color 24.8941, 17.8928,

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

24.8941, 17.8928, 2.1416

Protanopia

16.2605, 17.9871, 3.1871

Deuteranopia

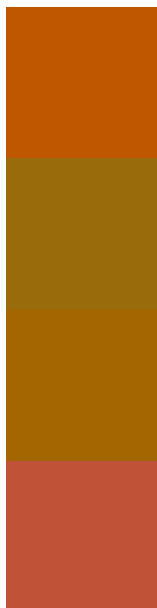
18.1886, 17.9779, 2.5114



Tritanopia

26.6145, 17.8942, 10.8553

Trichromacy



Original Color

24.8941, 17.8928, 2.1416

Protanomaly

18.6445, 17.4096, 2.6943

Deuteranomaly

20.1601, 17.5930, 2.3332

Tritanomaly

25.5211, 17.6688, 5.6797

Monochromacy



Original Color

24.8941, 17.8928, 2.1416

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 24.8941, 17.8928, 2.1416 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, 87, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 87, 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, 87, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 87, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.8941, 17.8928, 2.1416 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, 87, 0) }
```


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

```
.border{ border-color:rgb(191, 87, 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, 87, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 87, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 87, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 87, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.8941, 17.8928, 2.1416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 87, 0) }
```

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

```
.background{ background-color: rgb(191, 87,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor