

Converting Colors

XYZ(22.9441, 17.7318, 7.9244)

Have a look what the booklet for
XYZ(22.9441, 17.7318, 7.9244)
contains.

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Color

**XYZ(23.0709, 17.8442,
7.8585)**

Conversions

Conversions Part 1

Format	Color
Hex	B05F45
RGB	176, 95, 69
RGB Percent	69%, 37%, 27%
CMY	0.3098, 0.6274, 0.7294
CMYK	0.00, 0.46, 0.61, 0.31
HSL	15°, 44%, 48%
HSV	15°, 61%, 69%
XYZ	23.0709, 17.8442, 7.8585
YIQ	116.2550, 56.6220, 9.0860

Conversions

Conversions Part 2

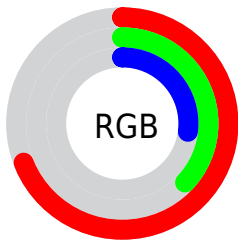
Format	Color
R_{YB}	176, 103, 69
Decimal	11558725
CIE Lab	49.31, 30.40, 29.33
CIE LCh	49, 42.243, 43.968
Yxy	17.8442, 0.4730, 0.3659
Android (android.graphics.Color)	4289748805 (0xFFB05F45)
YUV	116.2550, -23.2967, 52.3964
Hunter-Lab	42.2424, 23.5645, 18.5398

Details

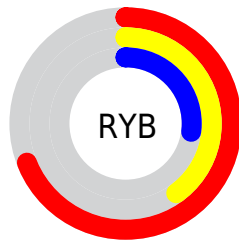
The XYZ color **23.0709, 17.8442, 7.8585** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **21.1963, 26.2110, 45.0162**, and the grayscale version is **16.7363, 17.6079, 19.1750**.

A 20% lighter version of the original color is **47.9647, 39.8376, 22.3010**, and **8.7496, 5.9419, 1.5499** is the 20% darker color. If you saturate the color by 10%, you get **21.5043, 15.4595, 5.0291**, and if you desaturate by 10%, it is **25.0057, 20.7061, 11.6103**.

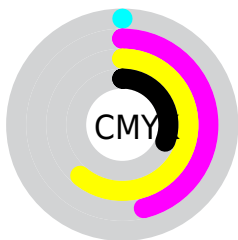
Distribution



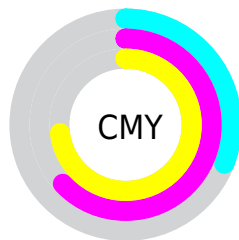
- Red (69%)
- Green (37%)
- Blue (27%)



- Red (69%)
- Yellow (40%)
- Blue (27%)



- Cyan (0%)
- Magenta (46%)
- Yellow (61%)
- Black (31%)



- Cyan (31%)
- Magenta (63%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0709, 17.8442, 7.8585 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 23.0709, 17.8442, 7.8585 by changing the saturation by 10% instead.

■ 23.0709, 17.8442,
7.8585

■ 23.0709, 17.8442,
7.8585

260.6175,
239.9914, 184.5109

■ 14.7669, 10.8382,
3.9181

■ 47.9755, 39.7717,
22.2222

■ 8.7412, 5.9581,
1.5805

■ 65.3068, 55.4619,
33.4824

■ 4.6285, 2.8196,
0.2768

■ 86.3779, 74.8157,
48.0198

■ 2.0635, 1.0383,
0.0000

■ 111.5541, 98.2174,
66.2527

■ 0.6692, 0.0000,
0.0000

■ 141.2008,
126.0514, 88.5997

■ 0.0000, 0.0000,
0.0000

175.6834,

158.7022, 115.4794

215.3671,
196.5540, 147.3103

■ 23.0709, 17.8442,
7.8585

■ 23.0709, 17.8442,
7.8585

■ 21.5043, 15.4595,
5.0291

■ 25.0057, 20.7061,
11.6103

■ 20.2793, 13.5224,
3.0396

■ 27.3300, 24.0670,
16.3552

■ 19.3674, 12.0040,
1.7944

■ 30.0652, 27.9507,
22.1581

■ 18.7601, 10.9414,
1.1231

■ 33.2303, 32.3785,
29.0781

■ 36.8435, 37.3707,
37.1700

■ 40.9215, 42.9464,
46.4848

■ 45.4806, 49.1238,
57.0706

■ 50.5359, 55.9202,
68.9728

■ 56.1020, 63.3525,
82.2346

Harmonies

Analogous

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



25.5017, 17.8442, 14.6145



23.0709, 17.8442, 7.8585



19.1578, 17.8442, 5.0795

Triad

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



23.0709, 17.8442, 7.8585



10.6293, 17.8442, 13.9940



18.8710, 17.8442, 49.3142

Complementary

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



23.0709, 17.8442, 7.8585



21.1963, 26.2110, 45.0162

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.



14.9378, 17.8442, 48.9357



23.0709, 17.8442, 7.8585



10.5773, 17.8442, 25.2000

Square

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



23.0709, 17.8442, 7.8585



12.1925, 17.8442, 7.5577



12.0370, 17.8442, 38.9086



22.8329, 17.8442, 39.8006

Rectangle

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



23.0709, 17.8442, 7.8585



16.4375, 17.8442, 4.7601



12.0370, 17.8442, 38.9086



17.4942, 17.8442, 50.4281

Sweetspot

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



23.0713, 17.8451, 7.8588



61.8171, 60.8727, 56.1759



25.6212, 15.7219, 30.9766



13.0120, 12.6580, 11.3202



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.0713, 17.8451, 7.8588



38.1601, 26.7251, 7.6996



29.4851, 30.6726, 9.9967



8.6586, 8.8296, 8.9005



13.8042, 8.1069, 0.8372



0.4806, 0.3476, 0.0418

Inverse Universe

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



21.1963, 26.2110, 45.0162



34.3482, 43.0101, 80.9867



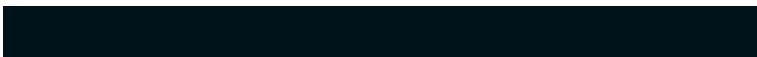
14.6149, 13.0482, 42.8224



8.5642, 9.2746, 10.8451



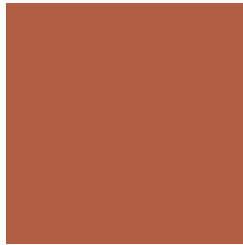
11.9739, 14.7482, 32.3526



0.4189, 0.5484, 1.0320

Previews

White Background



This preview shows how the XYZ color 23.0709, 17.8442, 7.8585 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 23.0709, 17.8442, 7.8585 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 23.0709, 17.8442, 7.8585

Background



This preview shows how black text looks on a background with the XYZ color 23.0709, 17.8442, 7.8585.



This preview shows how white text looks on a background with the XYZ color 23.0709, 17.8442,

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

23.0709, 17.8442, 7.8585

Protanopia

16.7557, 18.0961, 9.8175

Deuteranopia

18.2791, 17.9110, 7.6480



Tritanopia

24.3058, 17.8290, 13.7156

Trichromacy



Original Color

23.0709, 17.8442, 7.8585

Protanomaly

18.5230, 17.6796, 9.0928

Deuteranomaly

19.8775, 17.7812, 7.6947

Tritanomaly

23.6789, 17.6895, 11.1832

Monochromacy



Original Color

23.0709, 17.8442, 7.8585

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.0959, 17.0293, 14.1376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0709, 17.8442, 7.8585 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(176, 95, 69)` looks like.

```
.text, #text, p{  
    color:rgb(176, 95, 69)  
}
```

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(176, 95, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 95, 69) }
```

Border

The CSS property to change the border of an element to XYZ 23.0709, 17.8442, 7.8585 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(176, 95, 69) }
```


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

```
.border{ border-color:rgb(176, 95, 69) }
```

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

Here you see how a box with a 4 pixel rgb(176, 95, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 95, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 95, 69);  
box-shadow:4px 4px 4px 4px rgb(176, 95,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0709, 17.8442, 7.8585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 95, 69) }
```

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

```
.background{ background-color: rgb(176, 95,  
69) }
```

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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