

Converting Colors

XYZ(23.6861, 17.6457, 7.7239)

Have a look what the booklet for
XYZ(23.6861, 17.6457, 7.7239)
contains.

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Color

**XYZ(23.6377, 17.6151,
7.7844)**

Conversions

Conversions Part 1

Format	Color
Hex	B45B45
RGB	180, 91, 69
RGB Percent	71%, 36%, 27%
CMY	0.2941, 0.6431, 0.7294
CMYK	0.00, 0.49, 0.62, 0.29
HSL	12°, 45%, 49%
HSV	12°, 62%, 71%
XYZ	23.6377, 17.6151, 7.7844
YIQ	115.1030, 60.1060, 12.0260

Conversions

Conversions Part 2

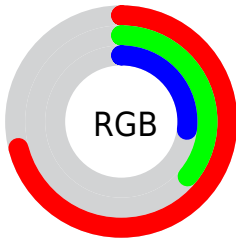
Format	Color
R_{YB}	180, 96, 69
Decimal	11819845
CIE _{Lab}	49.03, 34.15, 29.11
CIE _{LCh}	49, 44.868, 40.443
Yxy	17.6151, 0.4820, 0.3592
Android (android.graphics.Color)	4290009925 (0xFFB45B45)
YUV	115.1030, -22.7288, 56.9147
Hunter-Lab	41.9703, 27.0831, 18.3825

Details

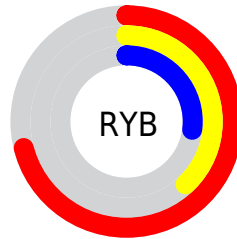
The XYZ color **23.6377, 17.6151, 7.7844** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **22.9186, 29.0127, 47.5721**, and the grayscale version is **16.3814, 17.2345, 18.7684**.

A 20% lighter version of the original color is **49.0277, 39.4782, 22.1756**, and **9.0295, 5.8637, 1.5756** is the 20% darker color. If you saturate the color by 10%, you get **22.0441, 15.1906, 4.9023**, and if you desaturate by 10%, it is **25.6389, 20.5838, 11.6387**.

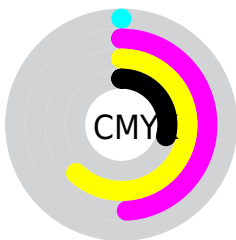
Distribution



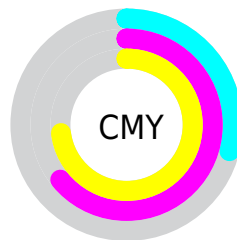
- Red (71%)
- Green (36%)
- Blue (27%)



- Red (71%)
- Yellow (38%)
- Blue (27%)



- Cyan (0%)
- Magenta (49%)
- Yellow (62%)
- Black (29%)





- Cyan (29%)
- Magenta (64%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6377, 17.6151, 7.7844 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 23.6377, 17.6151, 7.7844 by changing the saturation by 10% instead.


 23.6377, 17.6151,
7.7844


 23.6377, 17.6151,
7.7844


263.4583,
238.6925, 183.9020


 15.1884, 10.6740,
3.8715


 48.8973, 39.3804,
22.0738


 9.0389, 5.8481,
1.5551


 66.4383, 54.9733,
33.2875

 4.8239, 2.7529,
0.2585

 87.7406, 74.2190,
47.7718

 2.1780, 1.0041,
0.0000

 113.1695, 97.5019,
65.9452

 0.7311, 0.0000,
0.0000

 143.0903,
125.2062, 88.2265

 0.0000, 0.0000,
0.0000

177.8685,

157.7165, 115.0340

217.8694,
195.4172, 146.7863

■ 23.6377, 17.6151,
7.7844

■ 23.6377, 17.6151,
7.7844

■ 22.0441, 15.1906,
4.9023

■ 25.6389, 20.5838,
11.6387

■ 20.8273, 13.2738,
2.9033

■ 28.0729, 24.1246,
16.5417

■ 19.9538, 11.8281,
1.6833

■ 30.9642, 28.2667,
22.5632

■ 19.4437, 10.9460,
1.0880

■ 34.3352, 33.0366,
29.7666

■ 38.2067, 38.4591,
38.2108

■ 42.5983, 44.5576,
47.9507

■ 47.5284, 51.3546,
59.0376

■ 53.0146, 58.8712,
71.5204

■ 59.0738, 67.1279,
85.4453

Harmonies

Analogous

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



25.9602, 17.6151, 15.3013



23.6377, 17.6151, 7.7844



19.5809, 17.6151, 4.6351

Triad

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



23.6377, 17.6151, 7.7844



10.2514, 17.6151, 12.4581



18.2428, 17.6151, 51.9084

Complementary

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



23.6377, 17.6151, 7.7844



22.9186, 29.0127, 47.5721

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.



14.1928, 17.6151, 50.0909



23.6377, 17.6151, 7.7844



10.0148, 17.6151, 23.6640

Square

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



23.6377, 17.6151, 7.7844



12.0496, 17.6151, 6.4505



11.3386, 17.6151, 38.3314



22.5189, 17.6151, 42.5847

Rectangle

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



23.6377, 17.6151, 7.7844



16.6805, 17.6151, 4.1388



11.3386, 17.6151, 38.3314



16.8049, 17.6151, 52.6513

Sweetspot

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



23.6381, 17.6160, 7.7847



64.5116, 63.0701, 58.8592



27.2651, 16.4855, 34.8424



13.5249, 13.0441, 11.8145



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.



23.6381, 17.6160, 7.7847



39.1006, 26.1897, 7.4086



29.9991, 30.3380, 9.9050



8.6283, 8.7691, 8.8904



13.6096, 7.7177, 0.7724



0.4682, 0.3228, 0.0376

Inverse Universe

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



22.9186, 29.0127, 47.5721



37.5590, 48.3612, 85.6497



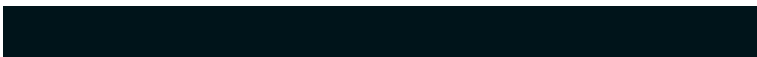
15.6580, 14.4915, 45.1519



8.5967, 9.3396, 10.8560



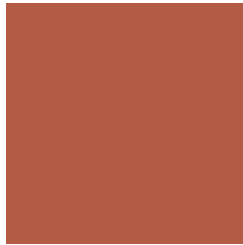
12.7918, 16.3839, 32.6252



0.4390, 0.5885, 1.0387

Previews

White Background



This preview shows how the XYZ color 23.6377, 17.6151, 7.7844 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 23.6377, 17.6151, 7.7844 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 23.6377, 17.6151, 7.7844

Background



This preview shows how black text looks on a background with the XYZ color 23.6377, 17.6151, 7.7844.



This preview shows how white text looks on a background with the XYZ color 23.6377, 17.6151,

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

23.6377, 17.6151, 7.7844

Protanopia

16.5250, 17.7991, 9.9617

Deuteranopia

18.0760, 17.8096, 7.4859



Tritanopia

24.5662, 17.6114, 12.6942

Trichromacy



Original Color

23.6377, 17.6151, 7.7844

Protanomaly

18.4866, 17.3441, 9.0300

Deuteranomaly

19.6440, 17.3619, 7.4701

Tritanomaly

24.2681, 17.6244, 10.7171

Monochromacy



Original Color

23.6377, 17.6151, 7.7844

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.0061, 16.6789, 13.8256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6377, 17.6151, 7.7844 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(180, 91, 69)` looks like.

```
.text, #text, p{  
    color:rgb(180, 91, 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(180, 91, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 91, 69) }
```

Border

The CSS property to change the border of an element to XYZ 23.6377, 17.6151, 7.7844 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(180, 91, 69) }
```


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

```
.border{ border-color:rgb(180, 91, 69) }
```

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

Here you see how a box with a 4 pixel rgb(180, 91, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 91, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 91, 69);  
box-shadow:4px 4px 4px 4px rgb(180, 91,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6377, 17.6151, 7.7844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 91, 69) }
```

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

```
.background{ background-color: rgb(180, 91,  
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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