

Converting Colors

XYZ(22.9486, 17.4301, 7.6736)

Have a look what the booklet for
XYZ(22.9486, 17.4301, 7.6736)
contains.

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Color

**XYZ(23.0020, 17.4188,
7.6187)**

Conversions

Conversions Part 1

Format	Color
Hex	B15C44
RGB	177, 92, 68
RGB Percent	69%, 36%, 27%
CMY	0.3059, 0.6392, 0.7333
CMYK	0.00, 0.48, 0.62, 0.31
HSL	13°, 44%, 48%
HSV	13°, 62%, 69%
XYZ	23.0020, 17.4188, 7.6187
YIQ	114.6790, 58.3640, 10.5560

Conversions

Conversions Part 2

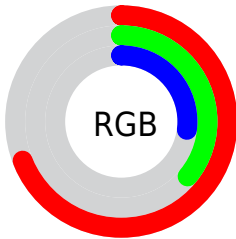
Format	Color
R_{YB}	177, 99, 68
Decimal	11623492
CIE Lab	48.78, 32.35, 29.28
CIE LCh	49, 43.632, 42.151
Yxy	17.4188, 0.4788, 0.3626
Android (android.graphics.Color)	4289813572 (0xFFB15C44)
YUV	114.6790, -23.0127, 54.6555
Hunter-Lab	41.7358, 25.3395, 18.3919

Details

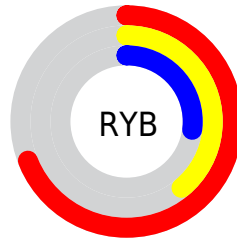
The XYZ color **23.0020, 17.4188, 7.6187** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **21.7101, 27.1841, 45.6975**, and the grayscale version is **16.2541, 17.1006, 18.6225**.

A 20% lighter version of the original color is **47.7762, 39.0637, 21.8516**, and **8.7745, 5.7868, 1.5186** is the 20% darker color. If you saturate the color by 10%, you get **21.4525, 15.0578, 4.8276**, and if you desaturate by 10%, it is **24.9333, 20.2826, 11.3419**.

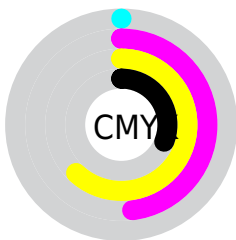
Distribution



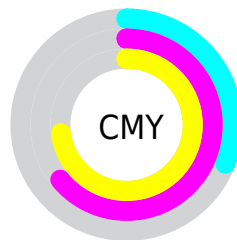
- Red (69%)
- Green (36%)
- Blue (27%)



- Red (69%)
- Yellow (39%)
- Blue (27%)



- Cyan (0%)
- Magenta (48%)
- Yellow (62%)
- Black (31%)



- Cyan (31%)
- Magenta (64%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0020, 17.4188, 7.6187 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 23.0020, 17.4188, 7.6187 by changing the saturation by 10% instead.

■ 23.0020, 17.4188,
7.6187

■ 23.0020, 17.4188,
7.6187

260.2704,
237.5744, 182.5314

■ 14.7157, 10.5335,
3.7677

■ 47.8632, 39.0444,
21.7412

■ 8.7051, 5.7541,
1.4988

■ 65.1689, 54.5536,
32.8497

■ 4.6049, 2.6961,
0.2170

■ 86.2117, 73.7062,
47.2145

■ 2.0497, 0.9752,
0.0000

■ 111.3570, 96.8866,
65.2541

■ 0.6617, 0.0000,
0.0000

■ 140.9702,
124.4793, 87.3871

■ 0.0000, 0.0000,
0.0000

175.4165,

156.8685, 114.0319

215.0615,
194.4387, 145.6072

■ 23.0020, 17.4188,
7.6187

■ 23.0020, 17.4188,
7.6187

■ 21.4525, 15.0578,
4.8276

■ 24.9333, 20.2826,
11.3419

■ 20.2564, 13.1669,
2.8836

■ 27.2693, 23.6736,
16.0700

■ 19.3833, 11.7141,
1.6877

■ 30.0327, 27.6180,
21.8696

■ 18.8562, 10.7968,
1.0902

■ 33.2439, 32.1392,
28.8013

■ 36.9221, 37.2594,
36.9211

■ 41.0853, 42.9997,
46.2815

■ 45.7505, 49.3799,
56.9315

■ 50.9339, 56.4192,
68.9178

■ 56.6510, 64.1357,
82.2844

Harmonies

Analogous

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



25.3609, 17.4188, 14.6617



23.0020, 17.4188, 7.6187



19.0505, 17.4188, 4.7012

Triad

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



23.0020, 17.4188, 7.6187



10.2130, 17.4188, 12.9367



18.2440, 17.4188, 50.0485

Complementary

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



23.0020, 17.4188, 7.6187



21.7101, 27.1841, 45.6975

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.



14.2894, 17.4188, 48.9646



23.0020, 17.4188, 7.6187



10.0690, 17.4188, 24.0399

Square

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



23.0020, 17.4188, 7.6187



11.8749, 17.4188, 6.7995



11.4431, 17.4188, 38.1340



22.3295, 17.4188, 40.6771

Rectangle

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



23.0020, 17.4188, 7.6187



16.2664, 17.4188, 4.2973



11.4431, 17.4188, 38.1340



16.8491, 17.4188, 50.9752

Sweetspot

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



23.0024, 17.4197, 7.6190



61.6021, 60.4427, 56.1042



25.9800, 15.7940, 31.9824



12.9599, 12.5538, 11.3028



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.



23.0024, 17.4197, 7.6190



37.5611, 25.6258, 7.1960



29.4716, 30.3582, 9.7754



8.6431, 8.7987, 8.8953



13.7002, 7.8990, 0.8026



0.4743, 0.3350, 0.0397

Inverse Universe

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



21.7101, 27.1841, 45.6975



34.9276, 44.3780, 81.2202



14.7706, 13.3050, 43.3843



8.5807, 9.3077, 10.8506



12.3829, 15.5662, 32.4889



0.4290, 0.5686, 1.0354

Previews

White Background



This preview shows how the XYZ color 23.0020, 17.4188, 7.6187 looks on a white background.

Color Contrast Check

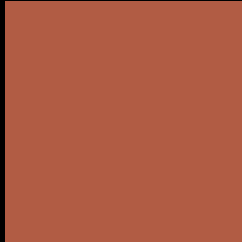
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0020, 17.4188, 7.6187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

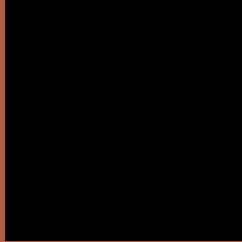
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0020, 17.4188, 7.6187

Background



This preview shows how black text looks on a background with the XYZ color 23.0020, 17.4188, 7.6187.



This preview shows how white text looks on a background with the XYZ color 23.0020, 17.4188,

7.6187.

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

23.0020, 17.4188, 7.6187

Protanopia

16.1891, 17.4622, 9.5385

Deuteranopia

17.7652, 17.4898, 7.2900



Tritanopia

24.1457, 17.3894, 12.9103

Trichromacy



Original Color

23.0020, 17.4188, 7.6187

Protanomaly

18.1708, 17.0295, 8.8079

Deuteranomaly

19.4220, 17.2508, 7.3071

Tritanomaly

23.5722, 17.2656, 10.6845

Monochromacy



Original Color

23.0020, 17.4188, 7.6187

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.9435, 16.8005, 13.8524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0020, 17.4188, 7.6187 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(177, 92, 68)` looks like.

```
.text, #text, p{  
    color:rgb(177, 92, 68)  
}
```

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(177, 92, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 92, 68) }
```

Border

The CSS property to change the border of an element to XYZ 23.0020, 17.4188, 7.6187 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(177, 92, 68) }
```


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

```
.border{ border-color:rgb(177, 92, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 92, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 92, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 92, 68);  
box-shadow:4px 4px 4px 4px rgb(177, 92,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0020, 17.4188, 7.6187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 92, 68) }
```

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

```
.background{ background-color: rgb(177, 92,  
68) }
```

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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