

Converting Colors

XYZ(23.2047, 20.4702, 10.2001)

Have a look what the booklet for
XYZ(23.2047, 20.4702, 10.2001)
contains.

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Color

**XYZ(23.1418, 20.3683,
10.1089)**

Conversions

Conversions Part 1

Format	Color
Hex	A7704F
RGB	167, 112, 79
RGB Percent	65%, 44%, 31%
CMY	0.3451, 0.5608, 0.6902
CMYK	0.00, 0.33, 0.53, 0.35
HSL	23°, 36%, 48%
HSV	23°, 53%, 65%
XYZ	23.1418, 20.3683, 10.1089
YIQ	124.6830, 43.3730, 1.3970

Conversions

Conversions Part 2

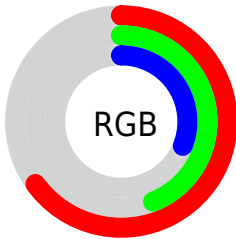
Format	Color
RYB	167, 132, 79
Decimal	10973263
CIELab	52.25, 18.03, 27.11
CIELCh	52, 32.561, 56.374
Yxy	20.3683, 0.4316, 0.3799
Android (android.graphics.Color)	4289163343 (0xFFA7704F)
YUV	124.6830, -22.5217, 37.1120
Hunter-Lab	45.1313, 12.5491, 18.3116

Details

The XYZ color **23.1418, 20.3683, 10.1089** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.7242, 21.5016, 39.7225**, and the grayscale version is **19.4499, 20.4628, 22.2840**.

A 20% lighter version of the original color is **47.9784, 43.9832, 26.7297**, and **8.7900, 7.2213, 2.3694** is the 20% darker color. If you saturate the color by 10%, you get **21.5231, 17.9846, 6.9379**, and if you desaturate by 10%, it is **25.0477, 23.0822, 14.1295**.

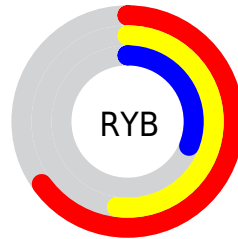
Distribution



Red (65%)

Green (44%)

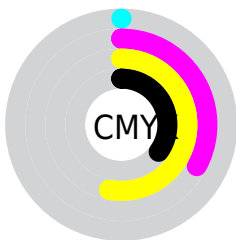
Blue (31%)



Red (65%)

Yellow (52%)

Blue (31%)

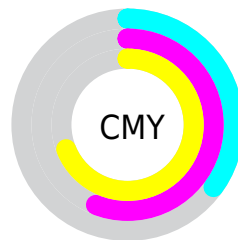


Cyan (0%)

Magenta (33%)

Yellow (53%)

Black (35%)



Cyan (35%)

Magenta (56%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1418, 20.3683, 10.1089 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 23.1418, 20.3683, 10.1089 by changing the saturation by 10% instead.

■ 23.1418, 20.3683,
10.1089

■ 23.1418, 20.3683,
10.1089

260.9742,
253.9020, 201.9605

■ 14.8195, 12.6630,
5.3647

■ 48.0910, 44.0338,
26.6111

■ 8.7783, 7.1969,
2.4003

■ 65.4486, 60.7629,
39.2062

■ 4.6528, 3.5856,
0.7866

■ 86.5488, 81.2686,
55.2554

■ 2.0777, 1.4445,
0.0000

■ 111.7567,
105.9355, 75.1771

■ 0.6770, 0.2492,
0.0000

■ 141.4379,
135.1479, 99.3899

■ 0.0000, 0.0000,
0.0000

175.9576,

169.2902, 128.3124

215.6813,
208.7467, 162.3631

■ 23.1418, 20.3683,
10.1089

■ 23.1418, 20.3683,
10.1089

■ 21.5231, 17.9846,
6.9379

■ 25.0477, 23.0822,
14.1295

■ 20.1739, 15.9142,
4.5522

■ 27.2542, 26.1359,
19.0549

■ 19.0766, 14.1432,
2.8805

■ 29.7753, 29.5427,
24.9371

■ 18.2102, 12.6551,
1.8372

■ 32.6238, 33.3139,
31.8238

■ 17.6935, 11.7299,
1.3315

■ 35.8117, 37.4603,
39.7595

■ 39.3505, 41.9925,
48.7859

■ 43.2508, 46.9203,
58.9425

■ 47.5230, 52.2534,
70.2668

■ 52.1770, 58.0010,
82.7946

Harmonies

Analogous

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



25.7085, 20.3683, 14.9634



23.1418, 20.3683, 10.1089



19.7688, 20.3683, 8.4113

Triad

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



23.1418, 20.3683, 10.1089



13.6267, 20.3683, 21.0337



22.3578, 20.3683, 43.0979

Complementary

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



23.1418, 20.3683, 10.1089



18.7242, 21.5016, 39.7225

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.



18.9558, 20.3683, 46.0914



23.1418, 20.3683, 10.1089



14.1526, 20.3683, 31.4024

Square

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



23.1418, 20.3683, 10.1089



14.4850, 20.3683, 13.4652



16.0135, 20.3683, 41.3102



25.2205, 20.3683, 34.0143

Rectangle

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



23.1418, 20.3683, 10.1089



17.6032, 20.3683, 8.7887



16.0135, 20.3683, 41.3102



21.2288, 20.3683, 44.9450

Sweetspot

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



23.1423, 20.3693, 10.1093



56.5240, 57.1582, 52.3474



23.0868, 15.5494, 24.6080



12.4230, 12.4919, 11.1673



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.1423, 20.3693, 10.1093



38.1678, 31.6386, 11.7229



29.1134, 32.3116, 12.0997



7.7530, 7.9861, 7.9221



13.5832, 9.0637, 1.0336



0.3797, 0.3190, 0.0416

Inverse Universe

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



18.7242, 21.5016, 39.7225



29.3691, 33.8153, 70.4544



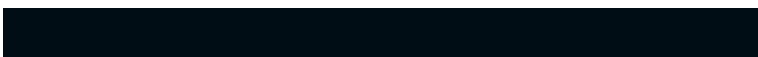
13.9180, 11.8892, 38.1204



7.5076, 8.0521, 9.5769



9.2020, 9.8642, 29.3945



0.2706, 0.3334, 0.7307

Previews

White Background



This preview shows how the XYZ color 23.1418, 20.3683, 10.1089 looks on a white 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

Black Background



This preview shows how the XYZ color 23.1418, 20.3683, 10.1089 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 23.1418, 20.3683, 10.1089

Background



This preview shows how black text looks on a background with the XYZ color 23.1418, 20.3683, 10.1089.



This preview shows how white text looks on a background with the XYZ color 23.1418, 20.3683,

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

23.1418, 20.3683, 10.1089

Protanopia

18.9255, 20.4582, 11.3389

Deuteranopia

20.6989, 20.3088, 9.8502



Tritanopia

24.9298, 20.2992, 18.8239

Trichromacy



Original Color

23.1418, 20.3683, 10.1089

Protanomaly

20.2721, 20.2452, 10.8219

Deuteranomaly

21.5252, 20.2089, 9.9739

Tritanomaly

24.2291, 20.3316, 15.2178

Monochromacy



Original Color

23.1418, 20.3683, 10.1089

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.2385, 20.0911, 16.9986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1418, 20.3683, 10.1089 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(167, 112, 79)` looks like.

```
.text, #text, p{  
    color:rgb(167, 112, 79)  
}
```

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(167, 112, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 112, 79) }
```

Border

The CSS property to change the border of an element to XYZ 23.1418, 20.3683, 10.1089 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(167, 112, 79) }
```


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

```
.border{ border-color:rgb(167, 112, 79) }
```

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

Here you see how a box with a 4 pixel rgb(167, 112, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 112, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 112, 79);  
box-shadow:4px 4px 4px 4px rgb(167, 112,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1418, 20.3683, 10.1089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 112, 79) }
```

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

```
.background{ background-color: rgb(167,  
112, 79) }
```

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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