

Converting Colors

XYZ(23.2497, 18.6377, 7.2129)

Have a look what the booklet for
XYZ(23.2497, 18.6377, 7.2129)
contains.

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Color

**XYZ(23.1618, 18.5985,
7.2196)**

Conversions

Conversions Part 1

Format	Color
Hex	AF6440
RGB	175, 100, 64
RGB Percent	69%, 39%, 25%
CMY	0.3137, 0.6078, 0.7490
CMYK	0.00, 0.43, 0.63, 0.31
HSL	19°, 46%, 47%
HSV	19°, 63%, 69%
XYZ	23.1618, 18.5985, 7.2196
YIQ	118.3210, 56.2560, 4.7040

Conversions

Conversions Part 2

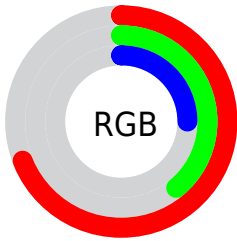
Format	Color
R_{YB}	175, 117, 64
Decimal	11494464
CIE _{Lab}	50.21, 26.90, 33.21
CIE _{LCh}	50, 42.741, 50.994
Yxy	18.5985, 0.4729, 0.3797
Android (android.graphics.Color)	4289684544 (0xFFAF6440)
YUV	118.3210, -26.7803, 49.7075
Hunter-Lab	43.1260, 20.3971, 20.2626

Details

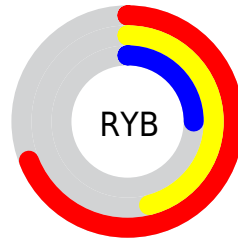
The XYZ color **23.1618, 18.5985, 7.2196** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.0842, 22.6491, 43.9231**, and the grayscale version is **17.3902, 18.2958, 19.9242**.

A 20% lighter version of the original color is **48.1406, 41.1412, 21.0265**, and **8.8167, 6.3546, 1.3780** is the 20% darker color. If you saturate the color by 10%, you get **21.6869, 16.3245, 4.6448**, and if you desaturate by 10%, it is **24.9585, 21.2662, 10.6728**.

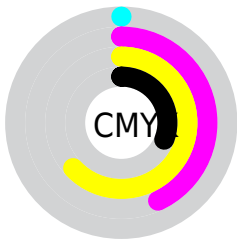
Distribution



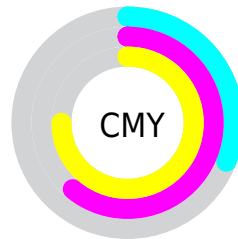
- Red (69%)
- Green (39%)
- Blue (25%)



- Red (69%)
- Yellow (46%)
- Blue (25%)



- Cyan (0%)
- Magenta (43%)
- Yellow (63%)
- Black (31%)





- Cyan (31%)
- Magenta (61%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1618, 18.5985, 7.2196 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 23.1618, 18.5985, 7.2196 by changing the saturation by 10% instead.


 23.1618, 18.5985,
7.2196


 23.1618, 18.5985,
7.2196

261.0748,
244.2232, 179.1757


 14.8344, 11.3805,
3.5193


 48.1236, 41.0545,
20.9340


 8.7888, 6.3234,
1.3655


 65.4886, 57.0614,
31.7852


 4.6597, 3.0427,
0.1146

 86.5969, 76.7667,
45.8570

 2.0817, 1.1541,
0.0000

 111.8139,
100.5548, 63.5681

 0.6792, 0.0237,
0.0000

 141.5048,
128.8101, 85.3370

 0.0000, 0.0000,
0.0000

 176.0350,

161.9170, 111.5822

215.7699,
200.2599, 142.7223

■ 23.1618, 18.5985,
7.2196

■ 23.1618, 18.5985,
7.2196

■ 21.6869, 16.3245,
4.6448

■ 24.9585, 21.2662,
10.6728

■ 20.5101, 14.4210,
2.8650

■ 27.0955, 24.3431,
15.0753

■ 19.6061, 12.8666,
1.7822

■ 29.5913, 27.8476,
20.4917

■ 19.1306, 12.0169,
1.3112

■ 32.4626, 31.7959,
26.9809

■ 35.7251, 36.2032,
34.5969

■ 39.3935, 41.0842,
43.3904

■ 43.4815, 46.4527,
53.4086

■ 48.0025, 52.3220,
64.6964

■ 52.9690, 58.7050,
77.2964

Harmonies

Analogous

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



26.1768, 18.5985, 13.1461



23.1618, 18.5985, 7.2196



18.9499, 18.5985, 5.0692

Triad

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



23.1618, 18.5985, 7.2196



10.9365, 18.5985, 16.8948



20.6780, 18.5985, 49.7722

Complementary

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



23.1618, 18.5985, 7.2196



19.0842, 22.6491, 43.9231

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.



16.4630, 18.5985, 52.0450



23.1618, 18.5985, 7.2196



11.2511, 18.5985, 29.5411

Square

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



23.1618, 18.5985, 7.2196



12.1963, 18.5985, 9.0435



13.1351, 18.5985, 43.5654



24.5947, 18.5985, 38.2043

Rectangle

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



23.1618, 18.5985, 7.2196



16.2056, 18.5985, 5.1238



13.1351, 18.5985, 43.5654



19.2355, 18.5985, 51.7884

Sweetspot

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



23.1622, 18.5995, 7.2199



60.4488, 60.0806, 53.6645



24.2351, 14.6699, 26.3073



13.0809, 12.8727, 11.1056



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.



23.1622, 18.5995, 7.2199



37.9605, 27.8352, 6.9199



30.2677, 32.8104, 9.5884



8.2095, 8.4238, 8.4066



13.7507, 8.7068, 0.9558



0.4330, 0.3432, 0.0434

Inverse Universe

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



19.0842, 22.6491, 43.9231



29.9682, 35.4674, 77.9033



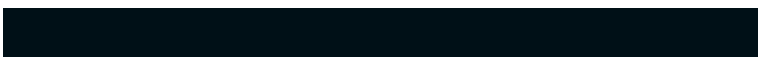
13.0499, 10.5804, 41.9116



8.0140, 8.6274, 10.1956



10.2583, 11.6504, 30.7526



0.3322, 0.4178, 0.8711

Previews

White Background



This preview shows how the XYZ color 23.1618, 18.5985, 7.2196 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 23.1618, 18.5985, 7.2196 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 23.1618, 18.5985, 7.2196

Background



This preview shows how black text looks on a background with the XYZ color 23.1618, 18.5985, 7.2196.



This preview shows how white text looks on a background with the XYZ color 23.1618, 18.5985,

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

23.1618, 18.5985, 7.2196

Protanopia

17.2139, 18.7132, 8.6660

Deuteranopia

18.8922, 18.5746, 7.0044



Tritanopia

24.6219, 18.4908, 14.8417

Trichromacy



Original Color

23.1618, 18.5985, 7.2196

Protanomaly

18.9811, 18.4307, 8.0259

Deuteranomaly

20.2428, 18.4532, 7.0523

Tritanomaly

23.9406, 18.4841, 11.5385

Monochromacy



Original Color

23.1618, 18.5985, 7.2196

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.5365, 17.7397, 14.0024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1618, 18.5985, 7.2196 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(175, 100, 64)` looks like.

```
.text, #text, p{  
    color:rgb(175, 100, 64)  
}
```

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(175, 100, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 100, 64) }
```

Border

The CSS property to change the border of an element to XYZ 23.1618, 18.5985, 7.2196 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(175, 100, 64) }
```


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

```
.border{ border-color:rgb(175, 100, 64) }
```

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

Here you see how a box with a 4 pixel rgb(175, 100, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 100, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 100, 64);  
box-shadow:4px 4px 4px 4px rgb(175, 100,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1618, 18.5985, 7.2196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 100, 64) }
```

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

```
.background{ background-color: rgb(175,  
100, 64) }
```

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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