

Converting Colors

XYZ(23.1559, 23.9580, 6.2580)

Have a look what the booklet for
XYZ(23.1559, 23.9580, 6.2580)
contains.

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Color

**XYZ(23.1679, 23.9279,
6.3032)**

Conversions

Conversions Part 1

Format	Color
Hex	A08331
RGB	160, 131, 49
RGB Percent	63%, 51%, 19%
CMY	0.3725, 0.4863, 0.8078
CMYK	0.00, 0.18, 0.69, 0.37
HSL	44°, 53%, 41%
HSV	44°, 69%, 63%
XYZ	23.1679, 23.9279, 6.3032
YIQ	130.3230, 43.6060, -19.3540

Conversions

Conversions Part 2

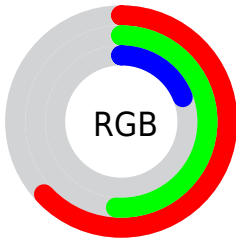
Format	Color
R_{YB}	88, 160, 49
Decimal	10519345
CIE _{Lab}	56.02, 1.92, 46.80
CIE _{LCh}	56, 46.836, 87.648
Yxy	23.9279, 0.4339, 0.4481
Android (android.graphics.Color)	4288709425 (0xFFA08331)
YUV	130.3230, -40.0922, 26.0267
Hunter-Lab	48.9162, -1.0613, 26.6014

Details

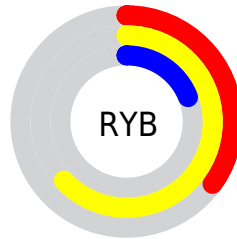
The XYZ color **23.1679, 23.9279, 6.3032** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.3361, 8.6396, 34.3804**, and the grayscale version is **21.4600, 22.5776, 24.5870**.

A 20% lighter version of the original color is **48.3542, 50.1065, 19.1796**, and **8.8430, 9.0378, 1.2784** is the 20% darker color. If you saturate the color by 10%, you get **22.3384, 22.7168, 4.6465**, and if you desaturate by 10%, it is **24.1410, 25.2345, 8.5998**.

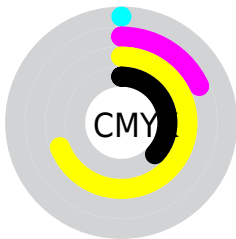
Distribution



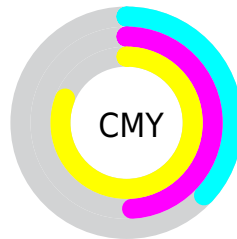
- Red (63%)
- Green (51%)
- Blue (19%)



- Red (35%)
- Yellow (63%)
- Blue (19%)



- Cyan (0%)
- Magenta (18%)
- Yellow (69%)
- Black (37%)



- Cyan (37%)
- Magenta (49%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1679, 23.9279, 6.3032 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 23.1679, 23.9279, 6.3032 by changing the saturation by 10% instead.

■ 23.1679, 23.9279,
6.3032

■ 23.1679, 23.9279,
6.3032

261.1055,
272.4558, 171.1464

■ 14.8389, 15.2801,
2.9586

■ 48.1335, 49.9125,
19.0455

■ 8.7920, 9.0162,
1.0735

■ 65.5008, 68.0182,
29.2802

■ 4.6618, 4.7518,
0.0000

■ 86.6116, 90.0452,
42.6486

■ 2.0829, 2.1024,
0.0000

■ 111.8313,
116.3781, 59.5694

■ 0.6799, 0.6660,
0.0000

■ 141.5251,
147.4012, 80.4610

■ 0.0000, 0.0000,
0.0000

■ 176.0585,

183.4990, 105.7420

215.7969,
225.0557, 135.8310

■ 23.1679, 23.9279,
6.3032

■ 23.1679, 23.9279,
6.3032

■ 22.3384, 22.7168,
4.6465

■ 24.1410, 25.2345,
8.5998

■ 21.6373, 21.5920,
3.5577

■ 25.2678, 26.6384,
11.5950

■ 21.0360, 20.5425,
2.8852

■ 26.5591, 28.1451,
15.3426

■ 20.9996, 20.4784,
2.8459

■ 28.0244, 29.7588,
19.8905

■ 29.6722, 31.4834,
25.2827

■ 31.5104, 33.3224,
31.5601

■ 33.5466, 35.2793,
38.7608

■ 35.7878, 37.3571,
46.9206

■ 38.2406, 39.5590,
56.0736

Harmonies

Analogous

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



28.7083, 23.9279, 8.2408



23.1679, 23.9279, 6.3032



18.2924, 23.9279, 7.6917

Triad

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



23.1679, 23.9279, 6.3032



14.7882, 23.9279, 42.2687



32.5948, 23.9279, 45.2291

Complementary

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



23.1679, 23.9279, 6.3032



10.3361, 8.6396, 34.3804

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.



27.8620, 23.9279, 61.8679



23.1679, 23.9279, 6.3032



17.6668, 23.9279, 59.7389

Square

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



23.1679, 23.9279, 6.3032



13.9297, 23.9279, 24.8620



22.3228, 23.9279, 68.0082



34.6571, 23.9279, 27.2823

Rectangle

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



23.1679, 23.9279, 6.3032



15.9517, 23.9279, 10.8112



22.3228, 23.9279, 68.0082



31.2304, 23.9279, 51.3903

Sweetspot

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



23.1685, 23.9291, 6.3037



53.2410, 56.5123, 43.7894



16.9924, 10.2291, 8.4002



11.5047, 12.2155, 9.0370



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.1685, 23.9291, 6.3037



39.8675, 40.1607, 7.2836



22.9727, 30.4399, 7.5707



7.0234, 7.4269, 7.0490



16.3954, 16.0264, 2.2293



0.3251, 0.3505, 0.0505

Inverse Universe

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



10.3361, 8.6396, 34.3804



15.1667, 10.8430, 61.6801



10.3375, 6.2268, 33.9146



6.4187, 6.7031, 8.3622



5.6138, 3.3192, 26.2520



0.1318, 0.1221, 0.4799

Previews

White Background



This preview shows how the XYZ color 23.1679, 23.9279, 6.3032 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 23.1679, 23.9279, 6.3032 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 23.1679, 23.9279, 6.3032

Background



This preview shows how black text looks on a background with the XYZ color 23.1679, 23.9279, 6.3032.



This preview shows how white text looks on a background with the XYZ color 23.1679, 23.9279,

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

23.1679, 23.9279, 6.3032

Protanopia

21.8174, 24.0423, 6.5083

Deuteranopia

24.4433, 23.9935, 6.3605



Tritanopia

26.9737, 23.9389, 25.0288

Trichromacy



Original Color

23.1679, 23.9279, 6.3032

Protanomaly

22.4272, 24.1505, 6.4971

Deuteranomaly

23.9430, 23.9301, 6.3747

Tritanomaly

25.1690, 23.7735, 15.8326

Monochromacy



Original Color

23.1679, 23.9279, 6.3032

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.3161, 22.5676, 15.5444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1679, 23.9279, 6.3032 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(160, 131, 49)` looks like.

```
.text, #text, p{  
    color:rgb(160, 131, 49)  
}
```

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(160, 131, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 131, 49) }
```

Border

The CSS property to change the border of an element to XYZ 23.1679, 23.9279, 6.3032 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(160, 131, 49) }
```


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

```
.border{ border-color:rgb(160, 131, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 131, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 131, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 131, 49);  
box-shadow:4px 4px 4px 4px rgb(160, 131,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1679, 23.9279, 6.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 131, 49) }
```

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

```
.background{ background-color: rgb(160,  
131, 49) }
```

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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