

Converting Colors

XYZ(23.2104, 19.2641, 2.4950)

Have a look what the booklet for
XYZ(23.2104, 19.2641, 2.4950)
contains.

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Color

**XYZ(23.3104, 19.3656,
2.5093)**

Conversions

Conversions Part 1

Format	Color
Hex	B26800
RGB	178, 104, 0
RGB Percent	70%, 41%, 0%
CMY	0.3020, 0.5921, 1.0000
CMYK	0.00, 0.42, 1.00, 0.30
HSL	35°, 100%, 35%
HSV	35°, 100%, 70%
XYZ	23.3104, 19.3656, 2.5093
YIQ	114.2700, 77.4880, -16.6560

Conversions

Conversions Part 2

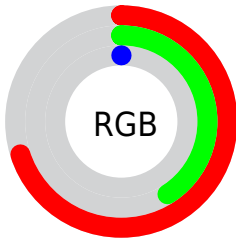
Format	Color
R_{YB}	127, 178, 0
Decimal	11692032
CIE Lab	51.11, 23.70, 58.80
CIE LCh	51, 63.391, 68.049
Yxy	19.3656, 0.5159, 0.4286
Android (android.graphics.Color)	4289882112 (0xFFB26800)
YUV	114.2700, -56.3351, 55.8912
Hunter-Lab	44.0064, 17.5412, 27.4237

Details

The XYZ color **23.3104, 19.3656, 2.5093** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.4845, 8.1117, 43.1322**, and the grayscale version is **16.2239, 17.0688, 18.5879**.

A 20% lighter version of the original color is **48.3823, 42.4865, 10.3533**, and **9.0219, 6.7503, 0.8274** is the 20% darker color. If you saturate the color by 10%, you get **23.3106, 19.3662, 2.5095**, and if you desaturate by 10%, it is **24.1963, 20.9654, 3.3354**.

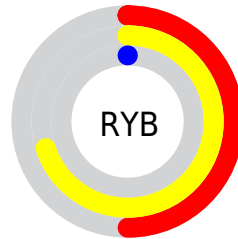
Distribution



Red (70%)

Green (41%)

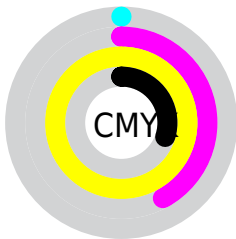
Blue (0%)



Red (50%)

Yellow (70%)

Blue (0%)

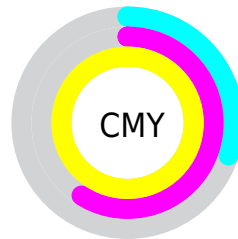


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3104, 19.3656, 2.5093 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 23.3104, 19.3656, 2.5093 by changing the saturation by 10% instead.


 23.3104, 19.3656,
2.5093


 23.3104, 19.3656,
2.5093


261.8210,
248.4597, 129.8421


 14.9448, 11.9347,
0.8451


 48.3654, 42.3510,
10.3915


 8.8667, 6.6993,
0.0000


 65.7856, 58.6743,
17.4514


 4.7108, 3.2747,
0.0000

 86.9546, 78.7305,
27.1486

 2.1116, 1.2768,
0.0000

 112.2380,
102.9041, 39.9015

 0.6955, 0.1231,
0.0000

 142.0009,
131.5794, 56.1288

 0.0000, 0.0000,
0.0000

 176.6088,

165.1409, 76.2489

216.4270,
203.9728, 100.6805

23.3104, 19.3656,
2.5093

23.3104, 19.3656,
2.5093

23.3106, 19.3662,
2.5095

24.1963, 20.9654,
3.3354

25.2460, 22.7370,
4.6956

26.4989, 24.6996,
6.7880

27.9743, 26.8633,
9.7064

29.6887, 29.2370,
13.5307

■ 31.6567, 31.8287,
18.3310

■ 33.8917, 34.6462,
24.1708

■ 36.4059, 37.6962,
31.1078

■ 39.2107, 40.9856,
39.1957

Harmonies

Analogous

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



29.6744, 19.3656, 6.1269



23.3104, 19.3656, 2.5093



16.7635, 19.3656, 2.0199

Triad

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



23.3104, 19.3656, 2.5093



8.8367, 19.3656, 26.3201



26.9171, 19.3656, 61.8427

Complementary

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



23.3104, 19.3656, 2.5093



10.4845, 8.1117, 43.1322

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.



20.1533, 19.3656, 77.3784



23.3104, 19.3656, 2.5093



10.4272, 19.3656, 50.4689

Square

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



23.3104, 19.3656, 2.5093



9.3097, 19.3656, 10.6032



14.2435, 19.3656, 72.3276



32.0655, 19.3656, 36.8744

Rectangle

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



23.3104, 19.3656, 2.5093



13.2826, 19.3656, 2.9055



14.2435, 19.3656, 72.3276



24.7029, 19.3656, 68.8413

Sweetspot

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



23.3108, 19.3666, 2.5096



61.2373, 62.5524, 43.2318



19.6017, 9.9617, 7.3981



13.1818, 13.3773, 8.5569



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.



23.3108, 19.3666, 2.5096



42.0408, 34.6558, 4.4734



31.0586, 39.6446, 6.0153



8.8950, 9.3026, 8.9793



16.7423, 13.9833, 1.8166



0.5827, 0.5519, 0.0758

Inverse Universe

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



10.4845, 8.1117, 43.1322



18.7980, 14.2799, 78.1467



8.2302, 3.3146, 42.3251



8.3225, 8.7912, 10.7646



7.5609, 5.9221, 30.8816



0.2961, 0.3026, 0.9910

Previews

White Background



This preview shows how the XYZ color 23.3104, 19.3656, 2.5093 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 23.3104, 19.3656, 2.5093 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 23.3104, 19.3656, 2.5093

Background



This preview shows how black text looks on a background with the XYZ color 23.3104, 19.3656, 2.5093.



This preview shows how white text looks on a background with the XYZ color 23.3104, 19.3656,

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

23.3104, 19.3656, 2.5093

Protanopia

17.6435, 19.6009, 3.2689

Tritanopia

26.0648, 19.4939, 15.4856

Trichromacy



Original Color

23.3104, 19.3656, 2.5093

Protanomaly

19.4316, 19.2828, 2.9562

Tritanomaly

24.5966, 19.3314, 7.5892

Monochromacy



Original Color

23.3104, 19.3656, 2.5093

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.0951, 16.9513, 8.6742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3104, 19.3656, 2.5093 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(178, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 104, 0)  
}
```

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(178, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 104, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.3104, 19.3656, 2.5093 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(178, 104, 0) }
```

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

```
.border{ border-color:rgb(178, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 104,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 23.3104, 19.3656, 2.5093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 104, 0) }
```

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

```
.background{ background-color: rgb(178,  
104, 0) }
```

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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