

Converting Colors

XYZ(18.4258, 22.9063, 4.6752)

Have a look what the booklet for
XYZ(18.4258, 22.9063, 4.6752)
contains.

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Color

**XYZ(18.5287, 23.0165,
4.6944)**

Conversions

Conversions Part 1

Format	Color
Hex	828A1E
RGB	130, 138, 30
RGB Percent	51%, 54%, 12%
CMY	0.4902, 0.4588, 0.8823
CMYK	0.06, 0.00, 0.78, 0.46
HSL	64°, 64%, 33%
HSV	64°, 78%, 54%
XYZ	18.5287, 23.0165, 4.6944
YIQ	123.2960, 29.9000, -35.2840

Conversions

Conversions Part 2

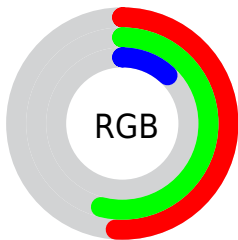
Format	Color
RYB	30, 138, 38
Decimal	8555038
CIELab	55.09, -16.50, 52.44
CIELCh	55, 54.974, 107.470
Yxy	23.0165, 0.4007, 0.4978
Android (android.graphics.Color)	4286745118 (0xFF828A1E)
YUV	123.2960, -45.9949, 5.8794
Hunter-Lab	47.9755, -15.0184, 27.7813

Details

The XYZ color **18.5287, 23.0165, 4.6944** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.8518, 3.1761, 24.3508**, and the grayscale version is **19.0656, 20.0585, 21.8437**.

A 20% lighter version of the original color is **40.4807, 48.3408, 15.5847**, and **6.5503, 8.5572, 1.3065** is the 20% darker color. If you saturate the color by 10%, you get **18.2338, 22.8813, 3.9538**, and if you desaturate by 10%, it is **18.9035, 23.1855, 5.8427**.

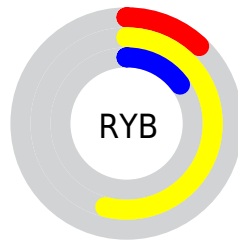
Distribution



Red (51%)

Green (54%)

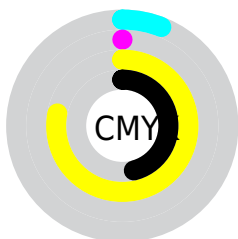
Blue (12%)



Red (12%)

Yellow (54%)

Blue (15%)

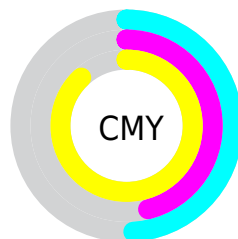


Cyan (6%)

Magenta (0%)

Yellow (78%)

Black (46%)



Cyan (49%)

Magenta (46%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5287, 23.0165, 4.6944 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 18.5287, 23.0165, 4.6944 by changing the saturation by 10% instead.

■ 18.5287, 23.0165,
4.6944

■ 18.5287, 23.0165,
4.6944

236.8228,
267.8097, 155.6565

■ 11.4322, 14.6057,
2.0135

■ 40.4592, 48.4204,
15.5820

■ 6.4278, 8.5431,
0.5636

■ 56.0240, 66.1823,
24.6258

■ 3.1500, 4.4444,
0.0000

■ 75.1422, 87.8300,
36.6276

■ 1.2336, 1.9251,
0.0000

■ 98.1793, 113.7480,
52.0061

■ 0.1326, 0.5634,
0.0000

■ 125.5005,
144.3205, 71.1796

■ 0.0000, 0.0000,
0.0000

■ 157.4713,

179.9321, 94.5668

194.4569,
220.9670, 122.5863

■ 18.5287, 23.0165,
4.6944

■ 18.5287, 23.0165,
4.6944

■ 18.2338, 22.8813,
3.9538

■ 18.9035, 23.1855,
5.8427

■ 17.9973, 22.7689,
3.5153

■ 19.3655, 23.3887,
7.4444

■ 17.9573, 22.7498,
3.4447

■ 19.9230, 23.6303,
9.5409

■ 20.5829, 23.9130,
12.1683

■ 21.3514, 24.2393,
15.3594

■ 22.2343, 24.6116,
19.1446

■ 23.2369, 25.0319,
23.5518

■ 24.3642, 25.5024,
28.6073

■ 25.6208, 26.0247,
34.3359

Harmonies

Analogous

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



24.5316, 23.0165, 4.4524



18.5287, 23.0165, 4.6944



14.2963, 23.0165, 8.4791

Triad

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



18.5287, 23.0165, 4.6944



14.8436, 23.0165, 59.0291



35.5009, 23.0165, 33.1117

Complementary

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



18.5287, 23.0165, 4.6944



5.8518, 3.1761, 24.3508

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.



31.7510, 23.0165, 55.4649



18.5287, 23.0165, 4.6944



19.4202, 23.0165, 74.4947

Square

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



18.5287, 23.0165, 4.6944



12.4576, 23.0165, 36.6086



25.6050, 23.0165, 72.9502



35.1394, 23.0165, 16.2397

Rectangle

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



18.5287, 23.0165, 4.6944



12.7035, 23.0165, 14.2337



25.6050, 23.0165, 72.9502



34.6540, 23.0165, 40.3294

Sweetspot

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



18.5292, 23.0176, 4.6949



38.3494, 43.0260, 30.1182



11.3842, 6.8333, 1.9476



8.4938, 9.6050, 6.2957



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.5292, 23.0176, 4.6949



31.8181, 40.1775, 6.3859



12.3682, 19.8415, 4.4065



5.3951, 5.8264, 5.3927



16.4687, 20.8599, 3.1584



0.1145, 0.1412, 0.0212

Inverse Universe

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



5.8518, 3.1761, 24.3508



8.5593, 3.6511, 42.6368



9.3867, 4.9984, 24.5162



4.8068, 4.9088, 6.3000



4.3291, 1.7458, 22.1545



0.0327, 0.0136, 0.1474

Previews

White Background



This preview shows how the XYZ color 18.5287, 23.0165, 4.6944 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 18.5287, 23.0165, 4.6944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

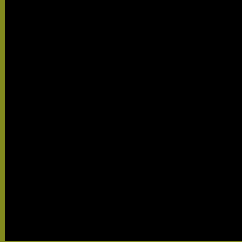
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.5287, 23.0165, 4.6944

Background



This preview shows how black text looks on a background with the XYZ color 18.5287, 23.0165, 4.6944.



This preview shows how white text looks on a background with the XYZ color 18.5287, 23.0165,

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

18.5287, 23.0165, 4.6944

Protanopia

20.6736, 22.8823, 4.4257

Deuteranopia

23.1691, 22.7939, 4.8476



Tritanopia

23.1579, 23.0536, 27.6553

Trichromacy



Original Color

18.5287, 23.0165, 4.6944

Protanomaly

19.7314, 22.8016, 4.5236

Deuteranomaly

21.2203, 22.7562, 4.7873

Tritanomaly

20.6567, 22.6376, 15.0852

Monochromacy



Original Color

18.5287, 23.0165, 4.6944

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.1265, 20.5952, 12.4711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5287, 23.0165, 4.6944 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(130, 138, 30)` looks like.

```
.text, #text, p{  
    color:rgb(130, 138, 30)  
}
```

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(130, 138, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 138, 30) }
```

Border

The CSS property to change the border of an element to XYZ 18.5287, 23.0165, 4.6944 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(130, 138, 30) }
```


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

```
.border{ border-color:rgb(130, 138, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 138, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 138, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 138, 30);  
box-shadow:4px 4px 4px 4px rgb(130, 138,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5287, 23.0165, 4.6944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 138, 30) }
```

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

```
.background{ background-color: rgb(130,  
138, 30) }
```

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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