

Converting Colors

XYZ(23.3442, 31.1224, 6.2075)

Have a look what the booklet for
XYZ(23.3442, 31.1224, 6.2075)
contains.

XYZ(23.3482, 31.1847, 6.2275)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.3482, 31.1847,
6.2275)**

Conversions

Conversions Part 1

Format	Color
Hex	88A221
RGB	136, 162, 33
RGB Percent	53%, 64%, 13%
CMY	0.4667, 0.3647, 0.8706
CMYK	0.16, 0.00, 0.80, 0.36
HSL	72°, 66%, 38%
HSV	72°, 80%, 64%
XYZ	23.3482, 31.1847, 6.2275
YIQ	139.5200, 25.9130, -45.6310

Conversions

Conversions Part 2

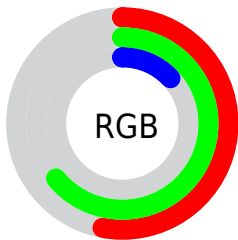
Format	Color
RYB	33, 162, 59
Decimal	8954401
CIELab	62.66, -25.92, 58.57
CIELCh	63, 64.049, 113.875
Yxy	31.1847, 0.3843, 0.5132
Android (android.graphics.Color)	4287144481 (0xFF88A221)
YUV	139.5200, -52.5144, -3.0870
Hunter-Lab	55.8433, -23.0944, 32.4784

Details

The XYZ color **23.3482, 31.1847, 6.2275** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.8702, 4.6269, 34.6098**, and the grayscale version is **24.9319, 26.2303, 28.5648**.

A 20% lighter version of the original color is **48.3965, 61.5704, 19.0064**, and **9.0556, 12.9457, 2.0215** is the 20% darker color. If you saturate the color by 10%, you get **22.6516, 30.8468, 5.2825**, and if you desaturate by 10%, it is **24.1716, 31.5774, 7.7496**.

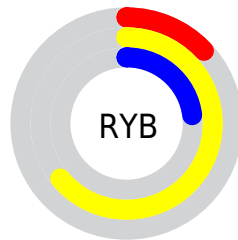
Distribution



Red (53%)

Green (64%)

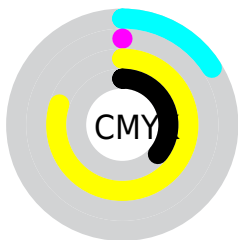
Blue (13%)



Red (13%)

Yellow (64%)

Blue (23%)

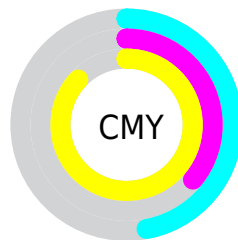


Cyan (16%)

Magenta (0%)

Yellow (80%)

Black (36%)



Cyan (47%)

Magenta (36%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3482, 31.1847, 6.2275 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 23.3482, 31.1847, 6.2275 by changing the saturation by 10% instead.

■ 23.3482, 31.1847,
6.2275

■ 23.3482, 31.1847,
6.2275

262.0105,
307.3883, 170.4607

■ 14.9729, 20.7395,
2.9129

■ 48.4269, 61.5307,
18.8871

■ 8.8866, 12.9337,
1.0503

■ 65.8610, 82.2004,
29.0691

■ 4.7238, 7.3829,
0.0000

■ 87.0455, 107.0470,
42.3773

■ 2.1192, 3.7027,
0.0000

■ 112.3457,
136.4550, 59.2303

■ 0.6996, 1.5087,
0.0000

■ 142.1269,
170.8087, 80.0466

■ 0.0000, 0.2948,
0.0000

■ 176.7546,

■ 0.0000, 0.0000,

210.4926, 105.2447

0.0000

216.5940,
255.8910, 135.2432

■ 23.3482, 31.1847,
6.2275

■ 23.3482, 31.1847,
6.2275

■ 22.6516, 30.8468,
5.2825

■ 24.1716, 31.5774,
7.7496

■ 22.0489, 30.5473,
4.7515

■ 25.1337, 32.0263,
9.9200

■ 22.0270, 30.5363,
4.7332

■ 26.2471, 32.5377,
12.8014

■ 27.5224, 33.1157,
16.4490

■ 28.9692, 33.7643,
20.9122

■ 30.5962, 34.4869,
26.2364

■ 32.4115, 35.2867,
32.4637

■ 34.4228, 36.1670,
39.6335

■ 36.6371, 37.1304,
47.7826

Harmonies

Analogous

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



31.4687, 31.1847, 5.0679



23.3482, 31.1847, 6.2275



18.0375, 31.1847, 12.7575

Triad

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



23.3482, 31.1847, 6.2275



20.7993, 31.1847, 89.5175



49.6745, 31.1847, 39.3507

Complementary

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



23.3482, 31.1847, 6.2275



8.8702, 4.6269, 34.6098

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.



45.3831, 31.1847, 70.9442



23.3482, 31.1847, 6.2275



27.8838, 31.1847, 107.7601

Square

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



23.3482, 31.1847, 6.2275



16.7808, 31.1847, 57.3837



36.9716, 31.1847, 99.6747



47.8058, 31.1847, 17.9690

Rectangle

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



23.3482, 31.1847, 6.2275



16.2550, 31.1847, 22.2700



36.9716, 31.1847, 99.6747



48.8817, 31.1847, 49.1444

Sweetspot

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



23.3489, 31.1861, 6.2282



54.0741, 61.9547, 42.7592



16.7297, 10.8996, 2.6613



11.9229, 13.8160, 8.8833



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.3489, 31.1861, 6.2282



40.2298, 55.5540, 8.8458



15.8462, 27.3183, 5.8770



7.5089, 8.1648, 7.5603



17.3880, 24.0743, 3.7304



0.3989, 0.5232, 0.0800

Inverse Universe

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



8.8702, 4.6269, 34.6098



13.2187, 5.5832, 62.4371



15.2780, 7.9302, 34.9097



6.8277, 6.9255, 8.8800



5.6531, 2.3208, 27.0798



0.1530, 0.0664, 0.5706

Previews

White Background



This preview shows how the XYZ color 23.3482, 31.1847, 6.2275 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.3482, 31.1847, 6.2275 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 ✓ Pass

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

XYZ 23.3482, 31.1847, 6.2275

Background



This preview shows how black text looks on a background with the XYZ color 23.3482, 31.1847, 6.2275.



This preview shows how white text looks on a background with the XYZ color 23.3482, 31.1847,

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

23.3482, 31.1847, 6.2275

Protanopia

28.0401, 31.0963, 5.7526

Deuteranopia

31.6264, 31.0608, 6.5189



Tritanopia

30.0719, 31.1671, 39.0812

Trichromacy



Original Color

23.3482, 31.1847, 6.2275

Protanomaly

26.2363, 31.1450, 5.9251

Deuteranomaly

28.0104, 30.8257, 6.3931

Tritanomaly

26.3753, 30.6329, 21.0456

Monochromacy



Original Color

23.3482, 31.1847, 6.2275

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.5863, 27.6084, 16.3977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3482, 31.1847, 6.2275 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(136, 162, 33)` looks like.

```
.text, #text, p{  
    color:rgb(136, 162, 33)  
}
```

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(136, 162, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 162, 33) }
```

Border

The CSS property to change the border of an element to XYZ 23.3482, 31.1847, 6.2275 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(136, 162, 33) }
```


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

```
.border{ border-color:rgb(136, 162, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 162, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 162, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 162, 33);  
box-shadow:4px 4px 4px 4px rgb(136, 162,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3482, 31.1847, 6.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 162, 33) }
```

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

```
.background{ background-color: rgb(136,  
162, 33) }
```

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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