

Converting Colors

XYZ(23.3636, 31.7005, 21.0939)

Have a look what the booklet for
XYZ(23.3636, 31.7005, 21.0939)
contains.

XYZ(23.3597, 31.6588, 21.0992)	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(23.3597, 31.6588,
21.0992)**

Conversions

Conversions Part 1

Format	Color
Hex	71A573
RGB	113, 165, 115
RGB Percent	44%, 65%, 45%
CMY	0.5569, 0.3529, 0.5490
CMYK	0.32, 0.00, 0.30, 0.35
HSL	122°, 22%, 55%
HSV	122°, 32%, 65%
XYZ	23.3597, 31.6588, 21.0992
YIQ	143.7520, -14.9420, -26.5740

Conversions

Conversions Part 2

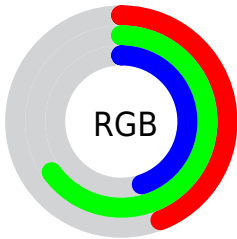
Format	Color
RYB	113, 163, 165
Decimal	7447923
CIELab	63.06, -27.58, 20.57
CIELCh	63, 34.410, 143.278
Yxy	31.6588, 0.3069, 0.4159
Android (android.graphics.Color)	4285638003 (0xFF71A573)
YUV	143.7520, -14.1747, -26.9695
Hunter-Lab	56.2662, -24.3589, 17.1532

Details

The XYZ color **23.3597, 31.6588, 21.0992** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.0341, 22.4546, 37.5083**, and the grayscale version is **26.4697, 27.8481, 30.3266**.

A 20% lighter version of the original color is **48.2941, 62.0834, 45.9971**, and **8.8751, 13.2277, 7.2397** is the 20% darker color. If you saturate the color by 10%, you get **20.5911, 30.3290, 16.6073**, and if you desaturate by 10%, it is **26.6731, 33.2531, 26.4382**.

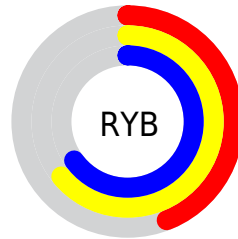
Distribution



Red (44%)

Green (65%)

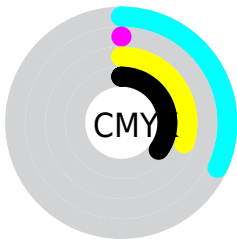
Blue (45%)



Red (44%)

Yellow (64%)

Blue (65%)

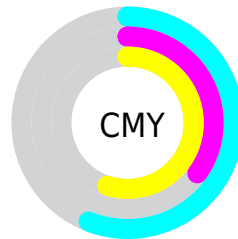


Cyan (32%)

Magenta (0%)

Yellow (30%)

Black (35%)



Cyan (56%)

Magenta (35%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3597, 31.6588, 21.0992 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 23.3597, 31.6588, 21.0992 by changing the saturation by 10% instead.

■ 23.3597, 31.6588,
21.0992

■ 23.3597, 31.6588,
21.0992

262.0681,
309.5620, 270.6036

■ 14.9815, 21.1010,
13.0046

■ 48.4456, 62.2758,
46.1355

■ 8.8926, 13.1979,
7.3009

■ 65.8840, 83.1038,
63.9143

■ 4.7278, 7.5649,
3.5697

■ 87.0732, 108.1241,
85.7582

■ 2.1215, 3.8178,
1.3924

■ 112.3785,
137.7209, 112.0857

■ 0.7009, 1.5722,
0.1358

142.1653,
172.2787, 143.3155

■ 0.0000, 0.3387,
0.0000

176.7989,

■ 0.0000, 0.0000,

212.1819, 179.8661

0.0000

216.6447,
257.8149, 222.1559

■ 23.3597, 31.6588,
21.0992

■ 23.3597, 31.6588,
21.0992

■ 20.5911, 30.3290,
16.6073

■ 26.6731, 33.2531,
26.4382

■ 18.3358, 29.2457,
12.9171

■ 30.5556, 35.1209,
32.6624

■ 16.5630, 28.3949,
9.9819


■ 35.0331, 37.2755,
39.8103


■ 15.2375, 27.7597,
7.7497


■ 40.1292, 39.7285,
47.9173


■ 14.3193, 27.3205,
6.1617


■ 45.8662, 42.4905,
57.0171

 13.7614, 27.0547,
5.1497

 52.2651, 45.5719,
67.1416

 13.4905, 26.9254,
4.6684

 59.3463, 48.9822,
78.3215

 67.1291, 52.7310,
90.5860

 72.7458, 55.3915,
101.4653

Harmonies

Analogous

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



26.6302, 31.6588, 15.6214



23.3597, 31.6588, 21.0992



21.9155, 31.6588, 31.5049

Triad

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



23.3597, 31.6588, 21.0992



29.0364, 31.6588, 67.4406



39.2648, 31.6588, 25.1491

Complementary

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



23.3597, 31.6588, 21.0992



28.0341, 22.4546, 37.5083

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.



40.0817, 31.6588, 37.6178



23.3597, 31.6588, 21.0992



33.8388, 31.6588, 64.4426

Square

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



23.3597, 31.6588, 21.0992



24.9628, 31.6588, 59.9159



38.0045, 31.6588, 52.5552



35.8768, 31.6588, 17.4944

Rectangle

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



23.3597, 31.6588, 21.0992



22.0623, 31.6588, 40.8215



38.0045, 31.6588, 52.5552



39.8629, 31.6588, 28.8160

Sweetspot

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



23.3605, 31.6601, 21.0999



56.5083, 63.7564, 61.3520



31.5961, 35.9189, 20.8908



12.1215, 13.8266, 13.0414



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.



23.3605, 31.6601, 21.0999



38.1785, 54.9408, 31.8610



25.0540, 32.3375, 30.0176



6.9961, 7.8993, 7.5912



10.2096, 20.3702, 3.5543



0.2176, 0.4293, 0.0911

Inverse Universe

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



28.0341, 22.4546, 37.5083



47.9171, 35.7543, 66.0488



25.9577, 21.6240, 26.5738



7.3525, 7.1975, 8.8427



16.4546, 7.9379, 25.3824



0.3491, 0.1681, 0.5511

Previews

White Background



This preview shows how the XYZ color 23.3597, 31.6588, 21.0992 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 23.3597, 31.6588, 21.0992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

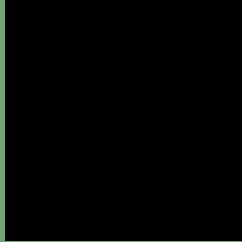
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.3597, 31.6588, 21.0992

Background



This preview shows how black text looks on a background with the XYZ color 23.3597, 31.6588, 21.0992.



This preview shows how white text looks on a background with the XYZ color 23.3597, 31.6588,

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

23.3597, 31.6588, 21.0992

Protanopia

29.2984, 31.4531, 18.9949

Deuteranopia

31.9688, 31.3547, 21.8199



Tritanopia

27.7459, 31.6049, 43.1661

Trichromacy



Original Color

23.3597, 31.6588, 21.0992

Protanomaly

26.6033, 31.2814, 19.6747

Deuteranomaly

27.9877, 30.9605, 21.6404

Tritanomaly

25.9385, 31.6460, 34.0193

Monochromacy



Original Color

23.3597, 31.6588, 21.0992

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.1347, 29.1365, 26.4895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3597, 31.6588, 21.0992 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(113, 165, 115)` looks like.

```
.text, #text, p{  
    color:rgb(113, 165, 115)  
}
```

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(113, 165, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 165, 115) }
```

Border

The CSS property to change the border of an element to XYZ 23.3597, 31.6588, 21.0992 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(113, 165, 115) }
```


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

```
.border{ border-color:rgb(113, 165, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 165, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 165, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 165, 115);  
box-shadow:4px 4px 4px 4px rgb(113, 165,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3597, 31.6588, 21.0992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 165, 115) }
```

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

```
.background{ background-color: rgb(113,  
165, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor