

Converting Colors

XYZ(23.6802, 31.8835, 21.3833)

Have a look what the booklet for
XYZ(23.6802, 31.8835, 21.3833)
contains.

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Color

**XYZ(23.6778, 31.8161,
21.4162)**

Conversions

Conversions Part 1

Format	Color
Hex	73A574
RGB	115, 165, 116
RGB Percent	45%, 65%, 45%
CMY	0.5490, 0.3529, 0.5451
CMYK	0.30, 0.00, 0.30, 0.35
HSL	121°, 22%, 55%
HSV	121°, 30%, 65%
XYZ	23.6778, 31.8161, 21.4162
YIQ	144.4640, -14.0710, -25.8390

Conversions

Conversions Part 2

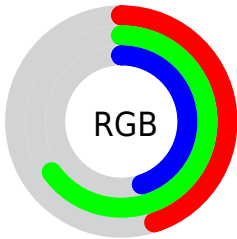
Format	Color
RYB	115, 164, 165
Decimal	7578996
CIELab	63.19, -26.73, 20.22
CIELCh	63, 33.518, 142.889
Yxy	31.8161, 0.3079, 0.4137
Android (android.graphics.Color)	4285769076 (0xFF73A574)
YUV	144.4640, -14.0328, -25.8399
Hunter-Lab	56.4058, -23.7800, 16.9727

Details

The XYZ color **23.6778, 31.8161, 21.4162** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.3497, 22.9419, 38.0574**, and the grayscale version is **26.7562, 28.1496, 30.6549**.

A 20% lighter version of the original color is **48.8095, 62.3384, 46.5058**, and **9.0982, 13.3393, 7.4054** is the 20% darker color. If you saturate the color by 10%, you get **20.8391, 30.4530, 16.7936**, and if you desaturate by 10%, it is **27.0703, 33.4476, 26.9208**.

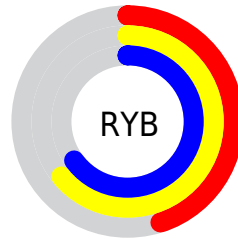
Distribution



Red (45%)

Green (65%)

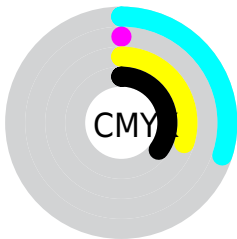
Blue (45%)



Red (45%)

Yellow (64%)

Blue (65%)

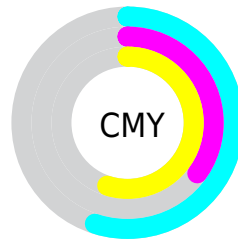


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (35%)



Cyan (55%)

Magenta (35%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6778, 31.8161, 21.4162 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 23.6778, 31.8161, 21.4162 by changing the saturation by 10% instead.

■ 23.6778, 31.8161,
21.4162

■ 23.6778, 31.8161,
21.4162

263.6583,
310.2807, 272.3355

■ 15.2182, 21.2211,
13.2344

■ 48.9624, 62.5227,
46.6689

■ 9.0600, 13.2857,
7.4575

■ 66.5182, 83.4030,
64.5769

■ 4.8378, 7.6256,
3.6671

■ 87.8367, 108.4806,
86.5640

■ 2.1862, 3.8563,
1.4445

■ 113.2833,
138.1398, 113.0488

■ 0.7354, 1.5935,
0.1761

143.2235,
172.7650, 144.4498

■ 0.0000, 0.3532,
0.0000

178.0224,

■ 0.0000, 0.0000,

212.7406, 181.1856

0.0000

218.0456,
258.4510, 223.6746

■ 23.6778, 31.8161,
21.4162

■ 23.6778, 31.8161,
21.4162

■ 20.8391, 30.4530,
16.7936

■ 27.0703, 33.4476,
26.9208

■ 18.5225, 29.3402,
13.0051

■ 31.0412, 35.3566,
33.3476

■ 16.6969, 28.4637,
10.0018


■ 35.6167, 37.5565,
40.7369

■ 15.3270, 27.8064,
7.7286


■ 40.8203, 40.0588,
49.1260


■ 14.3727, 27.3489,
6.1232

■ 46.6748, 42.8743,
58.5503


 13.7868, 27.0686,
5.1134

 53.2014, 46.0134,
69.0433

 13.4739, 26.9188,
4.5805

 60.4205, 49.4859,
80.6372

 68.3518, 53.3012,
93.3626

 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.



26.9059, 31.8161, 16.0530



23.6778, 31.8161, 21.4162



22.2337, 31.8161, 31.5791

Triad

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



23.6778, 31.8161, 21.4162



29.1508, 31.8161, 66.6275



39.2121, 31.8161, 25.6363

Complementary

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



23.6778, 31.8161, 21.4162



28.3497, 22.9419, 38.0574

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.



39.9696, 31.8161, 37.8975



23.6778, 31.8161, 21.4162



33.8392, 31.8161, 63.8632

Square

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



23.6778, 31.8161, 21.4162



25.1774, 31.8161, 59.2315



37.9154, 31.8161, 52.4287



35.9400, 31.8161, 18.0195

Rectangle

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



23.6778, 31.8161, 21.4162



22.3610, 31.8161, 40.6508



37.9154, 31.8161, 52.4287



39.7821, 31.8161, 29.2572

Sweetspot

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



23.6786, 31.8174, 21.4169



56.4679, 63.7402, 61.1393



31.8953, 36.0600, 21.4992



12.1115, 13.8226, 12.9888



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.



23.6786, 31.8174, 21.4169



39.0615, 55.3736, 32.9144



25.3216, 32.4746, 30.0689



6.9910, 7.8972, 7.5646



10.1949, 20.3643, 3.4769



0.2158, 0.4285, 0.0816

Inverse Universe

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



28.3497, 22.9419, 38.0574



48.7149, 37.0293, 67.3025



26.3212, 22.1304, 27.3752



7.3582, 7.1997, 8.8726



16.6545, 8.0179, 26.4351



0.3517, 0.1692, 0.5649

Previews

White Background



This preview shows how the XYZ color 23.6778, 31.8161, 21.4162 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 23.6778, 31.8161, 21.4162 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 23.6778, 31.8161, 21.4162

Background



This preview shows how black text looks on a background with the XYZ color 23.6778, 31.8161, 21.4162.



This preview shows how white text looks on a background with the XYZ color 23.6778, 31.8161,

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

23.6778, 31.8161, 21.4162

Protanopia

29.3526, 31.4748, 19.2800

Deuteranopia

32.0291, 31.3788, 22.1379



Tritanopia

28.0350, 31.7540, 43.1796

Trichromacy



Original Color

23.6778, 31.8161, 21.4162

Protanomaly

26.8357, 31.3948, 19.9746

Deuteranomaly

28.2386, 31.0829, 21.9640

Tritanomaly

26.2159, 31.7891, 34.0323

Monochromacy



Original Color

23.6778, 31.8161, 21.4162

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.2042, 29.1642, 26.8551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6778, 31.8161, 21.4162 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(115, 165, 116)` looks like.

```
.text, #text, p{  
    color:rgb(115, 165, 116)  
}
```

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(115, 165, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 165, 116) }
```

Border

The CSS property to change the border of an element to XYZ 23.6778, 31.8161, 21.4162 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(115, 165, 116) }
```


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

```
.border{ border-color:rgb(115, 165, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 165, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 165, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 165, 116);  
box-shadow:4px 4px 4px 4px rgb(115, 165,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6778, 31.8161, 21.4162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 165, 116) }
```

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

```
.background{ background-color: rgb(115,  
165, 116) }
```

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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