

Converting Colors

XYZ(21.3854, 31.1290, 23.4477)

Have a look what the booklet for
XYZ(21.3854, 31.1290, 23.4477)
contains.

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Color

**XYZ(21.3561, 31.1173,
23.2930)**

Conversions

Conversions Part 1

Format	Color
Hex	58A77A
RGB	88, 167, 122
RGB Percent	35%, 65%, 48%
CMY	0.6549, 0.3451, 0.5216
CMYK	0.47, 0.00, 0.27, 0.35
HSL	146°, 31%, 50%
HSV	146°, 47%, 65%
XYZ	21.3561, 31.1173, 23.2930
YIQ	138.2490, -32.6390, -30.7430

Conversions

Conversions Part 2

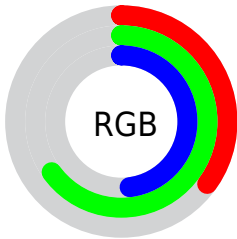
Format	Color
RYB	88, 143, 167
Decimal	5810042
CIELab	62.61, -34.85, 15.91
CIElCh	63, 38.312, 155.458
Yxy	31.1173, 0.2819, 0.4107
Android (android.graphics.Color)	4284000122 (0xFF58A77A)
YUV	138.2490, -8.0108, -44.0684
Hunter-Lab	55.7829, -29.2825, 14.2906

Details

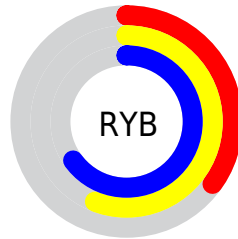
The XYZ color **21.3561, 31.1173, 23.2930** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **23.6608, 16.8891, 24.2045**, and the grayscale version is **24.2918, 25.5569, 27.8315**.

A 20% lighter version of the original color is **45.2809, 61.6213, 50.0650**, and **7.8156, 12.8227, 8.3664** is the 20% darker color. If you saturate the color by 10%, you get **19.3919, 30.1704, 20.2736**, and if you desaturate by 10%, it is **23.7418, 32.2765, 26.6347**.

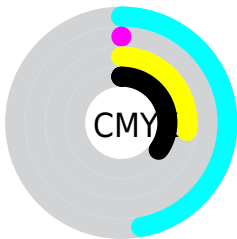
Distribution



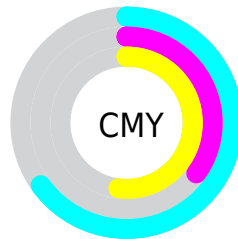
- Red (35%)
- Green (65%)
- Blue (48%)



- Red (35%)
- Yellow (56%)
- Blue (65%)



- Cyan (47%)
- Magenta (0%)
- Yellow (27%)
- Black (35%)



- Cyan (65%)
- Magenta (35%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3561, 31.1173, 23.2930 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 21.3561, 31.1173, 23.2930 by changing the saturation by 10% instead.

■ 21.3561, 31.1173,
23.2930

■ 21.3561, 31.1173,
23.2930

251.8610,
307.0784, 282.3969

■ 13.4985, 20.6882,
14.6027

■ 45.1663, 61.4247,
49.8033

■ 7.8521, 12.8963,
8.3975

■ 61.8495, 82.0718,
68.4603

■ 4.0514, 7.3572,
4.2589

■ 82.2054, 106.8936,
91.2766

■ 1.7313, 3.6864,
1.7684

■ 106.5992,
136.2747, 118.6708

■ 0.4757, 1.4998,
0.4070

135.3963,
170.5992, 151.0614

■ 0.0000, 0.2886,
0.0000

168.9621,

■ 0.0000, 0.0000,

210.2518, 188.8669

0.0000

207.6619,
255.6167, 232.5059

■ 21.3561, 31.1173,
23.2930

■ 21.3561, 31.1173,
23.2930

■ 19.3919, 30.1704,
20.2736

■ 23.7418, 32.2765,
26.6347

■ 17.8200, 29.4184,
17.5646

■ 26.5708, 33.6566,
30.3060

■ 16.6113, 28.8473,
15.1562


■ 29.8662, 35.2701,
34.3166


■ 15.7311, 28.4395,
13.0374


■ 33.6490, 37.1276,
38.6752


■ 15.1264, 28.1679,
11.1956


■ 37.9385, 39.2391,
43.3900

 14.9848, 28.1048,
10.7441

 42.7533, 41.6138,
48.4690

 48.1108, 44.2606,
53.9201

 54.0277, 47.1879,
59.7507

 60.5199, 50.4039,
65.9681

Harmonies

Analogous

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



24.1294, 31.1173, 15.4522



21.3561, 31.1173, 23.2930



20.6706, 31.1173, 36.6884

Triad

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



21.3561, 31.1173, 23.2930



30.5406, 31.1173, 71.2891



38.5242, 31.1173, 19.7970

Complementary

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



21.3561, 31.1173, 23.2930



23.6608, 16.8891, 24.2045

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.



40.7299, 31.1173, 31.2214



21.3561, 31.1173, 23.2930



35.7863, 31.1173, 63.0892

Square

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



21.3561, 31.1173, 23.2930



25.6014, 31.1173, 67.3165



39.6735, 31.1173, 47.2727



33.9422, 31.1173, 13.8889

Rectangle

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



21.3561, 31.1173, 23.2930



21.4107, 31.1173, 47.7940



39.6735, 31.1173, 47.2727



39.5912, 31.1173, 22.9705

Sweetspot

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



21.3569, 31.1186, 23.2937



55.4595, 64.1320, 63.7717



25.4261, 33.4186, 14.3433



12.1072, 14.2026, 13.9156



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.3569, 31.1186, 23.2937



34.5006, 53.9216, 35.9362



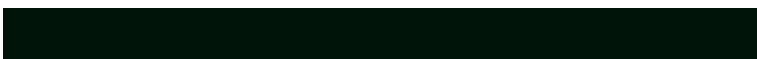
24.2259, 32.2662, 38.4017



7.5658, 8.4593, 8.6994



11.4897, 21.5147, 8.3458



0.3054, 0.5338, 0.3390

Inverse Universe

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



23.6608, 16.8891, 24.2045



39.1360, 25.2429, 37.7327



21.4737, 16.0143, 12.6872



7.7034, 7.6112, 8.7553



13.8046, 6.9306, 9.0488



0.3608, 0.1786, 0.3512

Previews

White Background



This preview shows how the XYZ color 21.3561, 31.1173, 23.2930 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 21.3561, 31.1173, 23.2930 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 21.3561, 31.1173, 23.2930

Background



This preview shows how black text looks on a background with the XYZ color 21.3561, 31.1173, 23.2930.



This preview shows how white text looks on a background with the XYZ color 21.3561, 31.1173,

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

21.3561, 31.1173, 23.2930

Protanopia

28.6416, 30.6047, 20.3173

Deuteranopia

31.1897, 30.6673, 24.3542



Tritanopia

25.4805, 30.9254, 44.1614

Trichromacy



Original Color

21.3561, 31.1173, 23.2930

Protanomaly

24.9309, 30.1296, 21.3312

Deuteranomaly

26.2482, 30.0139, 23.8119

Tritanomaly

23.7538, 31.0143, 35.3062

Monochromacy



Original Color

21.3561, 31.1173, 23.2930

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.6580, 27.1539, 25.8768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3561, 31.1173, 23.2930 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(88, 167, 122)` looks like.

```
.text, #text, p{  
    color:rgb(88, 167, 122)  
}
```

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(88, 167, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 167, 122) }
```

Border

The CSS property to change the border of an element to XYZ 21.3561, 31.1173, 23.2930 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(88, 167, 122) }
```


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

```
.border{ border-color:rgb(88, 167, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 167, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 167, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 167, 122);  
box-shadow:4px 4px 4px 4px rgb(88, 167,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3561, 31.1173, 23.2930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 167, 122) }
```

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

```
.background{ background-color: rgb(88, 167,  
122) }
```

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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