

Converting Colors

XYZ(21.7030, 31.1329, 21.4996)

Have a look what the booklet for
XYZ(21.7030, 31.1329, 21.4996)
contains.

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Color

**XYZ(21.6125, 31.0202,
21.3714)**

Conversions

Conversions Part 1

Format	Color
Hex	60A674
RGB	96, 166, 116
RGB Percent	38%, 65%, 45%
CMY	0.6235, 0.3490, 0.5451
CMYK	0.42, 0.00, 0.30, 0.35
HSL	137°, 28%, 51%
HSV	137°, 42%, 65%
XYZ	21.6125, 31.0202, 21.3714
YIQ	139.3700, -25.6700, -30.3900

Conversions

Conversions Part 2

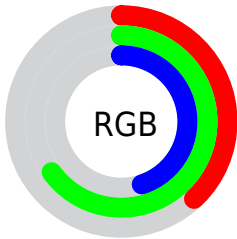
Format	Color
RYB	96, 150, 166
Decimal	6334068
CIELab	62.52, -33.29, 19.16
CIELCh	63, 38.405, 150.079
Yxy	31.0202, 0.2920, 0.4192
Android (android.graphics.Color)	4284524148 (0xFF60A674)
YUV	139.3700, -11.5214, -38.0355
Hunter-Lab	55.6958, -28.2015, 16.2365

Details

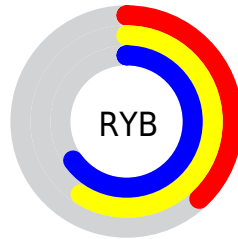
The XYZ color **21.6125, 31.0202, 21.3714** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.0981, 18.5488, 29.4528**, and the grayscale version is **24.7341, 26.0222, 28.3382**.

A 20% lighter version of the original color is **45.7668, 61.5537, 46.5147**, and **7.9145, 12.7291, 7.3500** is the 20% darker color. If you saturate the color by 10%, you get **19.4008, 29.9555, 17.8946**, and if you desaturate by 10%, it is **24.2827, 32.3128, 25.3306**.

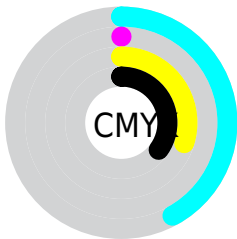
Distribution



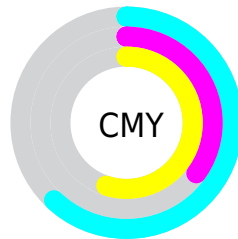
- Red (38%)
- Green (65%)
- Blue (45%)



- Red (38%)
- Yellow (59%)
- Blue (65%)



- Cyan (42%)
- Magenta (0%)
- Yellow (30%)
- Black (35%)



- Cyan (62%)
- Magenta (35%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6125, 31.0202, 21.3714 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 21.6125, 31.0202, 21.3714 by changing the saturation by 10% instead.

■ 21.6125, 31.0202,
21.3714

■ 21.6125, 31.0202,
21.3714

253.1865,
306.6314, 272.0913

■ 13.6875, 20.6142,
13.2019

■ 45.5883, 61.2719,
46.5936

■ 7.9839, 12.8423,
7.4353

■ 62.3698, 81.8864,
64.4834

■ 4.1363, 7.3201,
3.6533

■ 82.8342, 106.6725,
86.4503

■ 1.7796, 3.6631,
1.4371

■ 107.3468,
136.0146, 112.9130

■ 0.5053, 1.4869,
0.1704

136.2730,
170.2972, 144.2898

■ 0.0000, 0.2795,
0.0000

169.9781,

■ 0.0000, 0.0000,

209.9046, 180.9995

0.0000

208.8275,
255.2212, 223.4605

■ 21.6125, 31.0202,
21.3714

■ 21.6125, 31.0202,
21.3714

■ 19.4008, 29.9555,
17.8946

■ 24.2827, 32.3128,
25.3306

■ 17.6183, 29.1016,
14.8796

■ 27.4335, 33.8417,
29.7877

■ 16.2365, 28.4447,
12.3075


■ 31.0884, 35.6196,
34.7599


■ 15.2216, 27.9680,
10.1569


■ 35.2686, 37.6571,
40.2630


■ 14.5342, 27.6517,
8.4049


■ 39.9942, 39.9642,
46.3123

 14.1586, 27.4823,
7.2933

 45.2840, 42.5504,
52.9222

 51.1562, 45.4247,
60.1068

 57.6279, 48.5956,
67.8794

 64.7156, 52.0715,
76.2533

Harmonies

Analogous

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



24.7342, 31.0202, 14.5090



21.6125, 31.0202, 21.3714



20.5431, 31.0202, 33.8155

Triad

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



21.6125, 31.0202, 21.3714



29.4976, 31.0202, 71.4438



39.0492, 31.0202, 21.3207

Complementary

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



21.6125, 31.0202, 21.3714



25.0981, 18.5488, 29.4528

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.



40.7020, 31.0202, 33.7360



21.6125, 31.0202, 21.3714



34.8055, 31.0202, 65.2534

Square

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



21.6125, 31.0202, 21.3714



24.7556, 31.0202, 65.3151



39.0660, 31.0202, 50.2374



34.7786, 31.0202, 14.4863

Rectangle

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



21.6125, 31.0202, 21.3714



21.0263, 31.0202, 44.6362



39.0660, 31.0202, 50.2374



39.9504, 31.0202, 24.8374

Sweetspot

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



21.6133, 31.0215, 21.3721



55.6637, 64.2751, 62.0697



27.6324, 34.2447, 16.2202



12.1257, 14.2225, 13.4444



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.



21.6133, 31.0215, 21.3721



35.2893, 54.4027, 32.6062



24.0334, 31.9895, 34.1164



7.5216, 8.4417, 8.4669



10.9967, 21.3175, 5.7497



0.2892, 0.5273, 0.2539

Inverse Universe

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



25.0981, 18.5488, 29.4528



42.4911, 28.5742, 49.2672



22.7881, 17.6248, 17.2885



7.7491, 7.6295, 8.9962



14.7777, 7.3198, 14.1727



0.3799, 0.1862, 0.4520

Previews

White Background



This preview shows how the XYZ color 21.6125, 31.0202, 21.3714 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 21.6125, 31.0202, 21.3714 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 21.6125, 31.0202, 21.3714

Background



This preview shows how black text looks on a background with the XYZ color 21.6125, 31.0202, 21.3714.



This preview shows how white text looks on a background with the XYZ color 21.6125, 31.0202,

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

21.6125, 31.0202, 21.3714

Protanopia

28.5670, 30.5982, 18.8684

Deuteranopia

31.1036, 30.4410, 22.3255



Tritanopia

26.0289, 30.9630, 43.6343

Trichromacy



Original Color

21.6125, 31.0202, 21.3714

Protanomaly

25.2943, 30.3501, 19.8542

Deuteranomaly

26.4121, 29.8994, 21.8319

Tritanomaly

24.2967, 31.0507, 34.4186

Monochromacy



Original Color

21.6125, 31.0202, 21.3714

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.0126, 27.3445, 25.5379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6125, 31.0202, 21.3714 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(96, 166, 116)` looks like.

```
.text, #text, p{  
    color:rgb(96, 166, 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(96, 166, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 166, 116) }
```

Border

The CSS property to change the border of an element to XYZ 21.6125, 31.0202, 21.3714 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(96, 166, 116) }
```


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

```
.border{ border-color:rgb(96, 166, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 166, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 166, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 166, 116);  
box-shadow:4px 4px 4px 4px rgb(96, 166,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6125, 31.0202, 21.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 166, 116) }
```

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

```
.background{ background-color: rgb(96, 166,  
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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