

Converting Colors

XYZ(21.6265, 31.5851, 24.5913)

Have a look what the booklet for
XYZ(21.6265, 31.5851, 24.5913)
contains.

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Color

**XYZ(21.6063, 31.4901,
24.6781)**

Conversions

Conversions Part 1

Format	Color
Hex	56A87E
RGB	86, 168, 126
RGB Percent	34%, 66%, 49%
CMY	0.6627, 0.3412, 0.5059
CMYK	0.49, 0.00, 0.25, 0.34
HSL	149°, 32%, 50%
HSV	149°, 49%, 66%
XYZ	21.6063, 31.4901, 24.6781
YIQ	138.6940, -35.3900, -30.4460

Conversions

Conversions Part 2

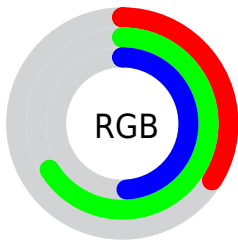
Format	Color
RYB	86, 141, 168
Decimal	5679230
CIELab	62.92, -35.02, 14.13
CIELCh	63, 37.759, 158.028
Yxy	31.4901, 0.2778, 0.4049
Android (android.graphics.Color)	4283869310 (0xFF56A87E)
YUV	138.6940, -6.2581, -46.2126
Hunter-Lab	56.1160, -29.4754, 13.2073

Details

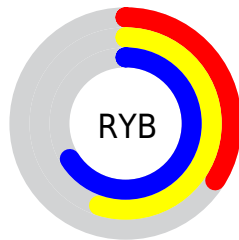
The XYZ color **21.6063, 31.4901, 24.6781** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **23.3736, 16.5397, 22.3838**, and the grayscale version is **24.4567, 25.7304, 28.0204**.

A 20% lighter version of the original color is **45.6076, 62.1414, 52.2386**, and **7.9492, 13.0442, 9.1200** is the 20% darker color. If you saturate the color by 10%, you get **19.7060, 30.5728, 21.8146**, and if you desaturate by 10%, it is **23.9196, 32.6166, 27.8117**.

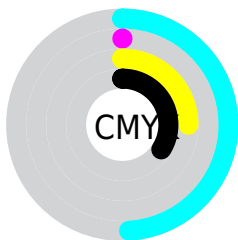
Distribution



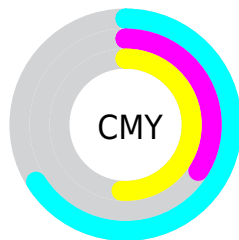
- Red (34%)
- Green (66%)
- Blue (49%)



- Red (34%)
- Yellow (55%)
- Blue (66%)



- Cyan (49%)
- Magenta (0%)
- Yellow (25%)
- Black (34%)



- Cyan (66%)
- Magenta (34%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6063, 31.4901, 24.6781 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 21.6063, 31.4901, 24.6781 by changing the saturation by 10% instead.

■ 21.6063, 31.4901,
24.6781

■ 21.6063, 31.4901,
24.6781

253.1545,
308.7899, 289.6272

■ 13.6829, 20.9723,
15.6206

■ 45.5781, 62.0109,
52.0922

■ 7.9807, 13.1038,
9.1046

■ 62.3573, 82.7827,
71.2857

■ 4.1343, 7.5000,
4.7117

■ 82.8190, 107.7412,
94.6951

■ 1.7784, 3.7767,
2.0234

■ 107.3288,
137.2710, 122.7388

■ 0.5046, 1.5495,
0.5696

136.2518,
171.7564, 155.8353

■ 0.0000, 0.3232,
0.0000

169.9536,

■ 0.0000, 0.0000,

211.5817, 194.4031

0.0000

208.7993,
257.1314, 238.8609

■ 21.6063, 31.4901,
24.6781

■ 21.6063, 31.4901,
24.6781

■ 19.7060, 30.5728,
21.8146

■ 23.9196, 32.6166,
27.8117

■ 18.1892, 29.8469,
19.2114

■ 26.6679, 33.9608,
31.2204

■ 17.0262, 29.2981,
16.8615


■ 29.8747, 35.5355,
34.9118


■ 16.1814, 28.9083,
14.7564


■ 33.5607, 37.3514,
38.8925


■ 15.5887, 28.6435,
12.8858


■ 37.7456, 39.4185,
43.1689

 15.5244, 28.6149,
12.6779

 42.4478, 41.7461,
47.7471

 47.6850, 44.3433,
52.6331

 53.4736, 47.2183,
57.8327

 59.8297, 50.3795,
63.3515

Harmonies

Analogous

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



24.2006, 31.4901, 16.3597



21.6063, 31.4901, 24.6781



21.1063, 31.4901, 38.4304

Triad

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



21.6063, 31.4901, 24.6781



31.3441, 31.4901, 71.0296



38.4877, 31.4901, 19.5376

Complementary

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



21.6063, 31.4901, 24.6781



23.3736, 16.5397, 22.3838

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.



40.9240, 31.4901, 30.4533



21.6063, 31.4901, 24.6781



36.4999, 31.4901, 62.0447

Square

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



21.6063, 31.4901, 24.6781



26.3541, 31.4901, 68.1548



40.1574, 31.4901, 46.1143



33.8165, 31.4901, 14.0442

Rectangle

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



21.6063, 31.4901, 24.6781



21.9664, 31.4901, 49.5256



40.1574, 31.4901, 46.1143



39.6184, 31.4901, 22.5473

Sweetspot

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



21.6071, 31.4914, 24.6788



56.4723, 65.5953, 65.8422



24.6407, 33.2963, 13.9326



12.0243, 14.1570, 14.0392



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.



21.6071, 31.4914, 24.6788



35.3699, 55.2898, 38.9566



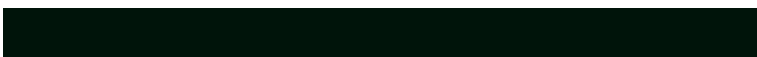
24.7826, 32.7616, 41.4007



7.5835, 8.4664, 8.7929



11.7486, 21.6182, 9.7092



0.3118, 0.5364, 0.3728

Inverse Universe

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



23.3736, 16.5397, 22.3838



38.9691, 24.8109, 34.2702



21.2125, 15.6752, 11.0036



7.6855, 7.6040, 8.6608



13.4907, 6.8050, 7.3954



0.3540, 0.1759, 0.3154

Previews

White Background



This preview shows how the XYZ color 21.6063, 31.4901, 24.6781 looks on a white background.

Color Contrast Check

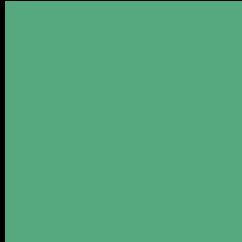
Large Text (above 18pt) WCAG AA × Fail

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 21.6063, 31.4901, 24.6781 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 21.6063, 31.4901, 24.6781

Background



This preview shows how black text looks on a background with the XYZ color 21.6063, 31.4901, 24.6781.



This preview shows how white text looks on a background with the XYZ color 21.6063, 31.4901,

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

21.6063, 31.4901, 24.6781

Protanopia

29.0346, 31.0183, 21.5964

Deuteranopia

31.6092, 31.0807, 25.8059



Tritanopia

25.8038, 31.5885, 45.2946

Trichromacy



Original Color

21.6063, 31.4901, 24.6781

Protanomaly

25.3397, 30.5628, 22.6528

Deuteranomaly

26.5026, 30.3589, 25.2319

Tritanomaly

23.9774, 31.3649, 36.6886

Monochromacy



Original Color

21.6063, 31.4901, 24.6781

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.9552, 27.5270, 26.6576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6063, 31.4901, 24.6781 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(86, 168, 126)` looks like.

```
.text, #text, p{  
    color:rgb(86, 168, 126)  
}
```

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(86, 168, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 168, 126) }
```

Border

The CSS property to change the border of an element to XYZ 21.6063, 31.4901, 24.6781 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(86, 168, 126) }
```


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

```
.border{ border-color:rgb(86, 168, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 168, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 168, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 168, 126);  
box-shadow:4px 4px 4px 4px rgb(86, 168,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6063, 31.4901, 24.6781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 168, 126) }
```

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

```
.background{ background-color: rgb(86, 168,  
126) }
```

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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