

Converting Colors

XYZ(21.6389, 30.6097, 16.3232)

Have a look what the booklet for
XYZ(21.6389, 30.6097, 16.3232)
contains.

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Color

**XYZ(21.6644, 30.6209,
16.3239)**

Conversions

Conversions Part 1

Format	Color
Hex	6CA462
RGB	108, 164, 98
RGB Percent	42%, 64%, 38%
CMY	0.5765, 0.3568, 0.6157
CMYK	0.34, 0.00, 0.40, 0.36
HSL	111°, 27%, 51%
HSV	111°, 40%, 64%
XYZ	21.6644, 30.6209, 16.3239
YIQ	139.7320, -12.1900, -32.3980

Conversions

Conversions Part 2

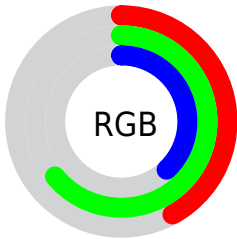
Format	Color
RYB	98, 164, 154
Decimal	7119970
CIELab	62.19, -31.58, 28.56
CIELCh	62, 42.580, 137.882
Yxy	30.6209, 0.3158, 0.4463
Android (android.graphics.Color)	4285310050 (0xFF6CA462)
YUV	139.7320, -20.5739, -27.8290
Hunter-Lab	55.3362, -26.9546, 21.2450

Details

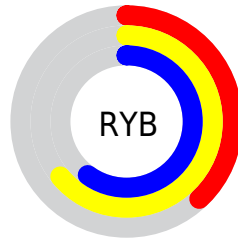
The XYZ color **21.6644, 30.6209, 16.3239** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.3964, 18.2867, 37.3674**, and the grayscale version is **24.9046, 26.2015, 28.5335**.

A 20% lighter version of the original color is **45.4543, 60.4100, 37.6984**, and **8.0572, 12.6885, 5.0421** is the 20% darker color. If you saturate the color by 10%, you get **19.4087, 29.5395, 12.5821**, and if you desaturate by 10%, it is **24.3505, 31.9077, 20.9153**.

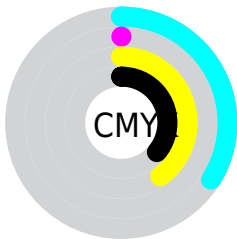
Distribution



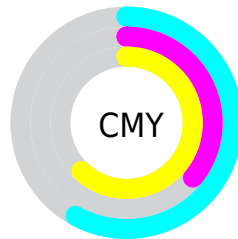
- Red (42%)
- Green (64%)
- Blue (38%)



- Red (38%)
- Yellow (64%)
- Blue (60%)



- Cyan (34%)
- Magenta (0%)
- Yellow (40%)
- Black (36%)



- Cyan (58%)
- Magenta (36%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6644, 30.6209, 16.3239 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 21.6644, 30.6209, 16.3239 by changing the saturation by 10% instead.

■ 21.6644, 30.6209,
16.3239

■ 21.6644, 30.6209,
16.3239

253.4541,
304.7880, 243.1561

■ 13.7257, 20.3103,
9.5968

■ 45.6737, 60.6427,
37.9342

■ 8.0106, 12.6208,
5.0304

■ 62.4750, 81.1228,
53.6545

■ 4.1536, 7.1680,
2.2060

■ 82.9613, 105.7615,
73.2096

■ 1.7894, 3.5674,
0.6779

■ 107.4978,
134.9431, 97.0180

■ 0.5113, 1.4346,
0.0000

136.4501,
169.0523, 125.4983

■ 0.0000, 0.2420,
0.0000

170.1833,

■ 0.0000, 0.0000,

208.4732, 159.0691

0.0000

209.0628,
253.5903, 198.1488

■ 21.6644, 30.6209,
16.3239

■ 21.6644, 30.6209,
16.3239

■ 19.4087, 29.5395,
12.5821

■ 24.3505, 31.9077,
20.9153

■ 17.5586, 28.6490,
9.6360

■ 27.4856, 33.4057,
26.4020

■ 16.0901, 27.9393,
7.4285


■ 31.0899, 35.1253,
32.8286


■ 14.9758, 27.3977,
5.8942


■ 35.1817, 37.0750,
40.2364


■ 14.1845, 27.0097,
4.9560


■ 39.7785, 39.2629,
48.6640

 13.6732, 26.7569,
4.4439

 44.8967, 41.6969,
58.1480

 50.5521, 44.3841,
68.7233

 56.7596, 47.3317,
80.4231

 63.5339, 50.5464,
93.2792

Harmonies

Analogous

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



25.8467, 30.6209, 11.4063



21.6644, 30.6209, 16.3239



19.5960, 30.6209, 27.1385

Triad

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



21.6644, 30.6209, 16.3239



26.8492, 30.6209, 74.7519



40.9159, 30.6209, 24.5506

Complementary

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



21.6644, 30.6209, 16.3239



24.3964, 18.2867, 37.3674

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.



41.2772, 30.6209, 40.4230



21.6644, 30.6209, 16.3239



32.6246, 30.6209, 73.3523

Square

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



21.6644, 30.6209, 16.3239



22.3150, 30.6209, 62.6952



38.0778, 30.6209, 59.3352



37.1473, 30.6209, 14.9680

Rectangle

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



21.6644, 30.6209, 16.3239



19.4874, 30.6209, 37.8636



38.0778, 30.6209, 59.3352



41.4562, 30.6209, 29.1936

Sweetspot

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



21.6652, 30.6222, 16.3246



55.0650, 63.1041, 57.1359



28.9070, 31.5583, 16.1236



11.8594, 13.7105, 12.1709



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.



21.6652, 30.6222, 16.3246



35.7340, 53.8595, 23.6626



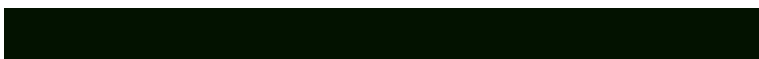
21.7036, 30.5051, 22.5143



7.0808, 7.9442, 7.5403



10.5103, 20.5287, 3.4085



0.2477, 0.4452, 0.0729

Inverse Universe

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



24.3964, 18.2867, 37.3674



41.3433, 28.4090, 67.0568



24.5611, 18.5817, 27.8845



7.2584, 7.1476, 8.9001



13.3537, 6.2906, 27.4402



0.3073, 0.1460, 0.5778

Previews

White Background



This preview shows how the XYZ color 21.6644, 30.6209, 16.3239 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 21.6644, 30.6209, 16.3239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

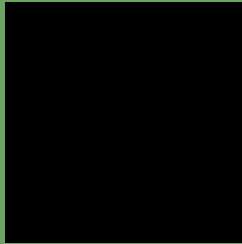
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.6644, 30.6209, 16.3239

Background



This preview shows how black text looks on a background with the XYZ color 21.6644, 30.6209, 16.3239.



This preview shows how white text looks on a background with the XYZ color 21.6644, 30.6209,

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

21.6644, 30.6209, 16.3239

Protanopia

27.9424, 30.3719, 14.5149

Deuteranopia

30.8610, 30.2079, 17.0361



Tritanopia

26.7021, 30.5972, 41.5443

Trichromacy



Original Color

21.6644, 30.6209, 16.3239

Protanomaly

25.0694, 30.0905, 15.0764

Deuteranomaly

26.5524, 29.8451, 16.6731

Tritanomaly

24.5585, 30.4924, 30.5779

Monochromacy



Original Color

21.6644, 30.6209, 16.3239

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.3512, 27.5648, 23.4918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6644, 30.6209, 16.3239 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(108, 164, 98)` looks like.

```
.text, #text, p{  
    color:rgb(108, 164, 98)  
}
```

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(108, 164, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 164, 98) }
```

Border

The CSS property to change the border of an element to XYZ 21.6644, 30.6209, 16.3239 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(108, 164, 98) }
```


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

```
.border{ border-color:rgb(108, 164, 98) }
```

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

Here you see how a box with a 4 pixel rgb(108, 164, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 164, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 164, 98);  
box-shadow:4px 4px 4px 4px rgb(108, 164,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6644, 30.6209, 16.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 164, 98) }
```

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

```
.background{ background-color: rgb(108,  
164, 98) }
```

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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