

Converting Colors

XYZ(21.9954, 30.5277, 16.2890)

Have a look what the booklet for
XYZ(21.9954, 30.5277, 16.2890)
contains.

XYZ(21.9839, 30.5210, 16.2877)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.9839, 30.5210,
16.2877)**

Conversions

Conversions Part 1

Format	Color
Hex	70A362
RGB	112, 163, 98
RGB Percent	44%, 64%, 38%
CMY	0.5608, 0.3608, 0.6157
CMYK	0.31, 0.00, 0.40, 0.36
HSL	107°, 26%, 51%
HSV	107°, 40%, 64%
XYZ	21.9839, 30.5210, 16.2877
YIQ	140.3410, -9.5310, -31.0270

Conversions

Conversions Part 2

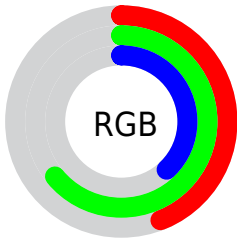
Format	Color
RYB	98, 163, 149
Decimal	7381858
CIELab	62.10, -29.72, 28.49
CIELCh	62, 41.171, 136.215
Yxy	30.5210, 0.3196, 0.4437
Android (android.graphics.Color)	4285571938 (0xFF70A362)
YUV	140.3410, -20.8741, -24.8551
Hunter-Lab	55.2458, -25.6499, 21.1921

Details

The XYZ color **21.9839, 30.5210, 16.2877** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.3743, 17.7702, 36.8500**, and the grayscale version is **25.1420, 26.4514, 28.8056**.

A 20% lighter version of the original color is **46.0133, 60.3121, 37.6500**, and **8.1846, 12.5913, 5.0166** is the 20% darker color. If you saturate the color by 10%, you get **19.7781, 29.4648, 12.5681**, and if you desaturate by 10%, it is **24.5792, 31.7617, 20.8450**.

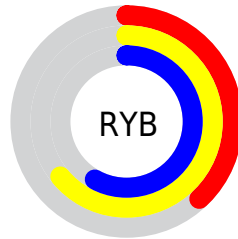
Distribution



Red (44%)

Green (64%)

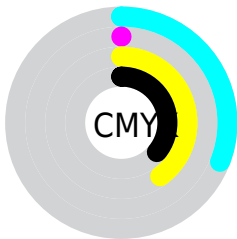
Blue (38%)



Red (38%)

Yellow (64%)

Blue (58%)

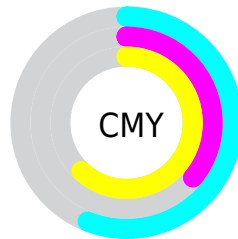


Cyan (31%)

Magenta (0%)

Yellow (40%)

Black (36%)



Cyan (56%)

Magenta (36%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9839, 30.5210, 16.2877 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 21.9839, 30.5210, 16.2877 by changing the saturation by 10% instead.

■ 21.9839, 30.5210,
16.2877

■ 21.9839, 30.5210,
16.2877

255.0961,
304.3255, 242.9368

■ 13.9616, 20.2344,
9.5714

■ 46.1984, 60.4851,
37.8707

■ 8.1755, 12.5655,
5.0139

■ 63.1214, 80.9314,
53.5744

■ 4.2602, 7.1301,
2.1965

■ 83.7419, 105.5331,
73.1111

■ 1.8504, 3.5436,
0.6724

■ 108.4255,
134.6745, 96.8992

■ 0.5477, 1.4217,
0.0000

137.5373,
168.7400, 125.3573

■ 0.0000, 0.2326,
0.0000

171.4427,

■ 0.0000, 0.0000,

208.1141, 158.9039

0.0000

210.5072,
253.1811, 197.9576

■ 21.9839, 30.5210,
16.2877

■ 21.9839, 30.5210,
16.2877

■ 19.7781, 29.4648,
12.5681

■ 24.5792, 31.7617,
20.8450

■ 17.9402, 28.5804,
9.6332

■ 27.5796, 33.1911,
26.2846

■ 16.4500, 27.8595,
7.4273


■ 31.0026, 34.8184,
32.6504


■ 15.2842, 27.2914,
5.8864


■ 34.8640, 36.6507,
39.9826


■ 14.4165, 26.8642,
4.9355


■ 39.1787, 38.6950,
48.3192


 13.8009, 26.5580,
4.4046

 43.9611, 40.9578,
57.6962

 13.7945, 26.5548,
4.3985

 49.2247, 43.4454,
68.1477

 54.9826, 46.1639,
79.7062

 61.2474, 49.1189,
92.4030

Harmonies

Analogous

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



26.1376, 30.5210, 11.7150



21.9839, 30.5210, 16.2877



19.8517, 30.5210, 26.4852

Triad

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



21.9839, 30.5210, 16.2877



26.5463, 30.5210, 72.4966



40.4764, 30.5210, 25.4265

Complementary

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



21.9839, 30.5210, 16.2877



23.3743, 17.7702, 36.8500

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.



40.6224, 30.5210, 41.0375



21.9839, 30.5210, 16.2877



32.0840, 30.5210, 71.9354

Square

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



21.9839, 30.5210, 16.2877



22.2502, 30.5210, 60.4529



37.3915, 30.5210, 59.1013



37.0149, 30.5210, 15.7262

Rectangle

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



21.9839, 30.5210, 16.2877



19.6628, 30.5210, 36.6424



37.3915, 30.5210, 59.1013



40.9287, 30.5210, 30.0404

Sweetspot

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



21.9847, 30.5223, 16.2884



54.0137, 61.6382, 55.6455



28.0444, 30.1383, 15.8949



11.9587, 13.7617, 12.1755



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.



21.9847, 30.5223, 16.2884



35.7796, 52.9397, 23.1010



21.3118, 30.0631, 21.3306



7.1216, 7.9652, 7.5422



10.7532, 20.6540, 3.4199



0.2620, 0.4526, 0.0735

Inverse Universe

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



23.3743, 17.7702, 36.8500



38.5998, 26.8179, 65.1981



24.5518, 18.5542, 28.9084



7.2144, 7.1249, 8.8981



12.0835, 5.6357, 27.3807



0.2892, 0.1366, 0.5770

Previews

White Background



This preview shows how the XYZ color 21.9839, 30.5210, 16.2877 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 21.9839, 30.5210, 16.2877 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 21.9839, 30.5210, 16.2877

Background



This preview shows how black text looks on a background with the XYZ color 21.9839, 30.5210, 16.2877.



This preview shows how white text looks on a background with the XYZ color 21.9839, 30.5210,

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

21.9839, 30.5210, 16.2877

Protanopia

27.9864, 30.3895, 14.7467

Deuteranopia

30.8610, 30.2079, 17.0361



Tritanopia

27.0086, 30.5178, 41.0262

Trichromacy



Original Color

21.9839, 30.5210, 16.2877

Protanomaly

25.2885, 30.1982, 15.3225

Deuteranomaly

26.7729, 29.7208, 16.6375

Tritanomaly

24.8551, 30.3998, 30.1489

Monochromacy



Original Color

21.9839, 30.5210, 16.2877

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.4975, 27.4063, 23.4535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9839, 30.5210, 16.2877 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(112, 163, 98)` looks like.

```
.text, #text, p{  
    color:rgb(112, 163, 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(112, 163, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 163, 98) }
```

Border

The CSS property to change the border of an element to XYZ 21.9839, 30.5210, 16.2877 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(112, 163, 98) }
```


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

```
.border{ border-color:rgb(112, 163, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 163, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 163, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 163, 98);  
box-shadow:4px 4px 4px 4px rgb(112, 163,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9839, 30.5210, 16.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 163, 98) }
```

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

```
.background{ background-color: rgb(112,  
163, 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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