

Converting Colors

XYZ(21.7895, 30.6535, 20.4642)

Have a look what the booklet for
XYZ(21.7895, 30.6535, 20.4642)
contains.

XYZ(21.7356, 30.5680, 20.3774)	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(21.7356, 30.5680,
20.3774)**

Conversions

Conversions Part 1

Format	Color
Hex	66A471
RGB	102, 164, 113
RGB Percent	40%, 64%, 44%
CMY	0.6000, 0.3568, 0.5569
CMYK	0.38, 0.00, 0.31, 0.36
HSL	131°, 25%, 52%
HSV	131°, 38%, 64%
XYZ	21.7356, 30.5680, 20.3774
YIQ	139.6480, -20.5810, -29.0050

Conversions

Conversions Part 2

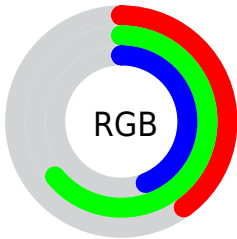
Format	Color
RYB	102, 155, 164
Decimal	6726769
CIELab	62.14, -31.06, 20.33
CIELCh	62, 37.116, 146.795
Yxy	30.5680, 0.2991, 0.4206
Android (android.graphics.Color)	4284916849 (0xFF66A471)
YUV	139.6480, -13.1375, -33.0173
Hunter-Lab	55.2883, -26.5806, 16.8496

Details

The XYZ color **21.7356, 30.5680, 20.3774** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.8120, 19.6958, 32.5794**, and the grayscale version is **24.8464, 26.1403, 28.4668**.

A 20% lighter version of the original color is **45.6406, 60.3482, 44.8402**, and **8.1135, 12.6738, 7.0197** is the 20% darker color. If you saturate the color by 10%, you get **19.3538, 29.4223, 16.5919**, and if you desaturate by 10%, it is **24.5996, 31.9510, 24.7762**.

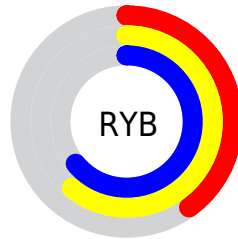
Distribution



Red (40%)

Green (64%)

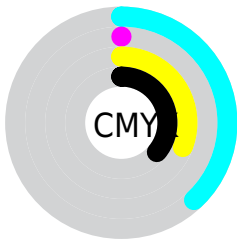
Blue (44%)



Red (40%)

Yellow (61%)

Blue (64%)

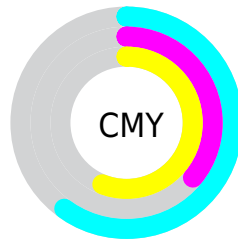


Cyan (38%)

Magenta (0%)

Yellow (31%)

Black (36%)



Cyan (60%)

Magenta (36%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7356, 30.5680, 20.3774 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 21.7356, 30.5680, 20.3774 by changing the saturation by 10% instead.

■ 21.7356, 30.5680,
20.3774

■ 21.7356, 30.5680,
20.3774

253.8208,
304.5431, 266.6224

■ 13.7783, 20.2701,
12.4829

■ 45.7907, 60.5593,
44.9163

■ 8.0473, 12.5915,
6.9469

■ 62.6192, 81.0215,
62.3977

■ 4.1773, 7.1479,
3.3510

■ 83.1355, 105.6406,
83.9119

■ 1.8029, 3.5548,
1.2765

■ 107.7049,
134.8009, 109.8773

■ 0.5194, 1.4278,
0.0424

136.6928,
168.8870, 140.7125

■ 0.0000, 0.2370,
0.0000

170.4645,

■ 0.0000, 0.0000,

208.2831, 176.8361

0.0000

209.3854,
253.3737, 218.6666

■ 21.7356, 30.5680,
20.3774

■ 21.7356, 30.5680,
20.3774

■ 19.3538, 29.4223,
16.5919

■ 24.5996, 31.9510,
24.7762

■ 17.4251, 28.4969,
13.3905

■ 27.9682, 33.5795,
29.8117

■ 15.9208, 27.7785,
10.7446


■ 31.8650, 35.4664,
35.5086


■ 14.8081, 27.2506,
8.6225


■ 36.3117, 37.6221,
41.8896

■ 14.0488, 26.8946,
6.9891


■ 41.3285, 40.0567,
48.9765


 13.5826, 26.6800,
5.8045

 46.9347, 42.7796,
56.7901

 13.4991, 26.6413,
5.5996

 53.1487, 45.8001,
65.3500

 59.9882, 49.1266,
74.6756

 67.4699, 52.7676,
84.7851

Harmonies

Analogous

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



24.9356, 30.5680, 14.2723



21.7356, 30.5680, 20.3774



20.4805, 30.5680, 31.7688

Triad

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



21.7356, 30.5680, 20.3774



28.5202, 30.5680, 68.9953



38.4986, 30.5680, 22.3592

Complementary

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



21.7356, 30.5680, 20.3774



25.8120, 19.6958, 32.5794

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.



39.7377, 30.5680, 34.8453



21.7356, 30.5680, 20.3774



33.6025, 30.5680, 64.3708

Square

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



21.7356, 30.5680, 20.3774



24.1050, 30.5680, 62.0126



37.8543, 30.5680, 50.7349



34.6379, 30.5680, 15.1649

Rectangle

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



21.7356, 30.5680, 20.3774



20.7947, 30.5680, 41.8810



37.8543, 30.5680, 50.7349



39.2534, 30.5680, 25.9511

Sweetspot

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



21.7364, 30.5693, 20.3781



55.3219, 63.1558, 60.7967



28.9380, 34.3491, 17.6755



11.8954, 13.7107, 13.0008



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.



21.7364, 30.5693, 20.3781



35.9096, 53.7795, 31.3770



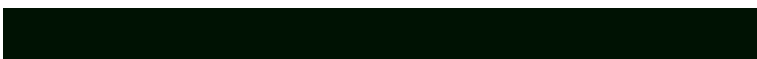
23.7391, 31.3704, 30.9241



7.0345, 7.9146, 7.7934



10.3631, 20.4316, 4.3624



0.2312, 0.4347, 0.1627

Inverse Universe

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



25.8120, 19.6958, 32.5794



44.3354, 31.2741, 56.5821



23.6164, 18.8176, 21.0177



7.3101, 7.1805, 8.6196



15.1024, 7.3970, 18.2619



0.3306, 0.1607, 0.4538

Previews

White Background



This preview shows how the XYZ color 21.7356, 30.5680, 20.3774 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 21.7356, 30.5680, 20.3774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

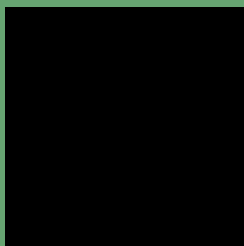
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.7356, 30.5680, 20.3774

Background



This preview shows how black text looks on a background with the XYZ color 21.7356, 30.5680, 20.3774.



This preview shows how white text looks on a background with the XYZ color 21.7356, 30.5680,

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

21.7356, 30.5680, 20.3774

Protanopia

28.0992, 30.1335, 18.2453

Deuteranopia

30.7125, 30.0432, 21.0098



Tritanopia

26.1578, 30.5559, 42.0553

Trichromacy



Original Color

21.7356, 30.5680, 20.3774

Protanomaly

25.1311, 29.7908, 18.8936

Deuteranomaly

26.4317, 29.6901, 20.8607

Tritanomaly

24.4260, 30.6265, 33.0579

Monochromacy



Original Color

21.7356, 30.5680, 20.3774

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.3809, 27.5422, 25.2030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7356, 30.5680, 20.3774 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(102, 164, 113)` looks like.

```
.text, #text, p{  
    color:rgb(102, 164, 113)  
}
```

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(102, 164, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 164, 113) }
```

Border

The CSS property to change the border of an element to XYZ 21.7356, 30.5680, 20.3774 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(102, 164, 113) }
```


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

```
.border{ border-color:rgb(102, 164, 113) }
```

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

Here you see how a box with a 4 pixel rgb(102, 164, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 164, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 164, 113);  
box-shadow:4px 4px 4px 4px rgb(102, 164,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7356, 30.5680, 20.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 164, 113) }
```

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

```
.background{ background-color: rgb(102,  
164, 113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor