

Converting Colors

XYZ(20.4379, 28.3792, 17.8525)

Have a look what the booklet for
XYZ(20.4379, 28.3792, 17.8525)
contains.

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Color

**XYZ(20.4856, 28.4167,
17.7699)**

Conversions

Conversions Part 1

Format	Color
Hex	689E69
RGB	104, 158, 105
RGB Percent	41%, 62%, 41%
CMY	0.5922, 0.3804, 0.5882
CMYK	0.34, 0.00, 0.34, 0.38
HSL	121°, 22%, 51%
HSV	121°, 34%, 62%
XYZ	20.4856, 28.4167, 17.7699
YIQ	135.8120, -15.1710, -27.9310

Conversions

Conversions Part 2

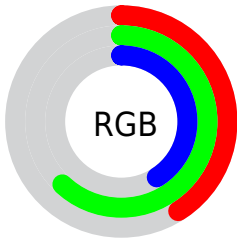
Format	Color
RYB	104, 157, 158
Decimal	6856297
CIELab	60.26, -28.94, 22.19
CIELCh	60, 36.468, 142.516
Yxy	28.4167, 0.3073, 0.4262
Android (android.graphics.Color)	4285046377 (0xFF689E69)
YUV	135.8120, -15.1903, -27.8991
Hunter-Lab	53.3073, -24.6916, 17.5509

Details

The XYZ color **20.4856, 28.4167, 17.7699** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.1376, 19.6046, 34.3585**, and the grayscale version is **23.3911, 24.6093, 26.7995**.

A 20% lighter version of the original color is **43.7847, 57.1909, 40.6295**, and **7.3608, 11.3604, 5.6757** is the 20% darker color. If you saturate the color by 10%, you get **18.0949, 27.2689, 13.8701**, and if you desaturate by 10%, it is **23.3668, 29.8022, 22.4526**.

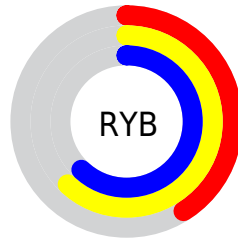
Distribution



Red (41%)

Green (62%)

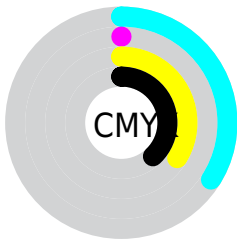
Blue (41%)



Red (41%)

Yellow (62%)

Blue (62%)

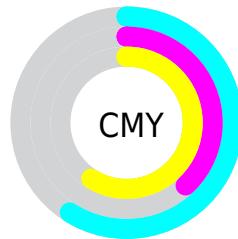


Cyan (34%)

Magenta (0%)

Yellow (34%)

Black (38%)



Cyan (59%)

Magenta (38%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4856, 28.4167, 17.7699 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 20.4856, 28.4167, 17.7699 by changing the saturation by 10% instead.

■ 20.4856, 28.4167,
17.7699

■ 20.4856, 28.4167,
17.7699

247.3157,
294.4527, 251.7633

■ 12.8588, 18.6400,
10.6172

■ 43.7276, 57.1490,
40.4535

■ 7.4077, 11.4104,
5.6991

■ 60.0735, 76.8735,
56.8214

■ 3.7670, 6.3436,
2.5972

■ 80.0566, 100.6826,
77.0982

■ 1.5712, 3.0551,
0.8910

■ 104.0421,
128.9609, 101.7023

■ 0.3735, 1.1606,
0.0000

132.3954,
162.0926, 131.0524

■ 0.0000, 0.0292,
0.0000

165.4819,

■ 0.0000, 0.0000,

200.4622, 165.5668

0.0000

203.6669,
244.4541, 205.6643

■ 20.4856, 28.4167,
17.7699

■ 20.4856, 28.4167,
17.7699

■ 18.0949, 27.2689,
13.8701

■ 23.3668, 29.8022,
22.4526

■ 16.1654, 26.3422,
10.7088

■ 26.7613, 31.4338,
27.9556

■ 14.6680, 25.6234,
8.2399


■ 30.6932, 33.3241,
34.3164


■ 13.5694, 25.0964,
6.4117


■ 35.1845, 35.4836,
41.5692


■ 12.8315, 24.7428,
5.1648


■ 40.2558, 37.9222,
49.7467


 12.4087, 24.5406,
4.4293

 45.9268, 40.6494,
58.8798

 12.2435, 24.4613,
4.1603

 52.2161, 43.6742,
68.9981

 59.1417, 47.0053,
80.1297

 66.7207, 50.6508,
92.3018

Harmonies

Analogous

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



23.7110, 28.4167, 12.7318



20.4856, 28.4167, 17.7699



19.0410, 28.4167, 27.7075

Triad

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



20.4856, 28.4167, 17.7699



25.8552, 28.4167, 64.1285



36.1933, 28.4167, 22.0923

Complementary

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



20.4856, 28.4167, 17.7699



25.1376, 19.6046, 34.3585

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.



36.9381, 28.4167, 34.4167



20.4856, 28.4167, 17.7699



30.5999, 28.4167, 61.3364

Square

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



20.4856, 28.4167, 17.7699



21.8999, 28.4167, 56.1956



34.7888, 28.4167, 49.4003



32.8571, 28.4167, 14.6784

Rectangle

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



20.4856, 28.4167, 17.7699



19.1498, 28.4167, 36.8622



34.7888, 28.4167, 49.4003



36.7695, 28.4167, 25.6904

Sweetspot

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



20.4863, 28.4179, 17.7705



51.3206, 58.3909, 55.1750



28.6509, 32.6328, 17.8856



11.3620, 13.0641, 12.1023



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.4863, 28.4179, 17.7705



33.8132, 49.9765, 26.7460



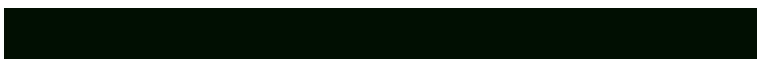
22.0946, 29.0612, 26.2396



6.5555, 7.4029, 7.0938



9.8070, 19.5907, 3.3405



0.1766, 0.3508, 0.0665

Inverse Universe

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



25.1376, 19.6046, 34.3585



43.5666, 31.4933, 61.5279



23.0877, 18.7847, 23.5640



6.8989, 6.7525, 8.3185



16.0380, 7.7198, 25.5151



0.2883, 0.1386, 0.4641

Previews

White Background



This preview shows how the XYZ color 20.4856, 28.4167, 17.7699 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4856, 28.4167, 17.7699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

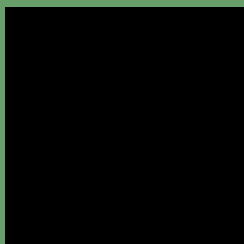
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4856, 28.4167, 17.7699

Background



This preview shows how black text looks on a background with the XYZ color 20.4856, 28.4167, 17.7699.



This preview shows how white text looks on a background with the XYZ color 20.4856, 28.4167,

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

20.4856, 28.4167, 17.7699

Protanopia

26.0878, 28.2196, 15.8763

Deuteranopia

28.5705, 28.1154, 18.3890



Tritanopia

24.7477, 28.4224, 38.8321

Trichromacy



Original Color

20.4856, 28.4167, 17.7699

Protanomaly

23.5718, 28.0706, 16.4877

Deuteranomaly

24.8397, 27.7515, 18.2347

Tritanomaly

22.9936, 28.4437, 29.8695

Monochromacy



Original Color

20.4856, 28.4167, 17.7699

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.9871, 25.7123, 23.2062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4856, 28.4167, 17.7699 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(104, 158, 105)` looks like.

```
.text, #text, p{  
    color:rgb(104, 158, 105)  
}
```

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(104, 158, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 158, 105) }
```

Border

The CSS property to change the border of an element to XYZ 20.4856, 28.4167, 17.7699 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(104, 158, 105) }
```


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

```
.border{ border-color:rgb(104, 158, 105) }
```

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

Here you see how a box with a 4 pixel rgb(104, 158, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 158, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 158, 105);  
box-shadow:4px 4px 4px 4px rgb(104, 158,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4856, 28.4167, 17.7699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 158, 105) }
```

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

```
.background{ background-color: rgb(104,  
158, 105) }
```

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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