

Converting Colors

XYZ(20.5067, 27.4521, 16.4287)

Have a look what the booklet for
XYZ(20.5067, 27.4521, 16.4287)
contains.

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Color

**XYZ(20.5867, 27.4955,
16.5341)**

Conversions

Conversions Part 1

Format	Color
Hex	709A65
RGB	112, 154, 101
RGB Percent	44%, 60%, 40%
CMY	0.5608, 0.3961, 0.6039
CMYK	0.27, 0.00, 0.34, 0.40
HSL	108°, 21%, 50%
HSV	108°, 34%, 60%
XYZ	20.5867, 27.4955, 16.5341
YIQ	135.4000, -8.0190, -25.3870

Conversions

Conversions Part 2

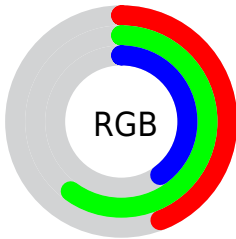
Format	Color
R_{YB}	101, 154, 143
Decimal	7379557
CIE _{Lab}	59.43, -24.85, 23.35
CIE _{LCh}	59, 34.103, 136.787
Yxy	27.4955, 0.3186, 0.4255
Android (android.graphics.Color)	4285569637 (0xFF709A65)
YUV	135.4000, -16.9592, -20.5218
Hunter-Lab	52.4362, -21.6833, 18.0101

Details

The XYZ color **20.5867, 27.4955, 16.5341** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.8152, 17.4809, 32.7976**, and the grayscale version is **23.2417, 24.4520, 26.6283**.

A 20% lighter version of the original color is **43.9850, 55.8673, 38.1710**, and **7.4795, 10.9817, 5.0936** is the 20% darker color. If you saturate the color by 10%, you get **18.4529, 26.4755, 12.8579**, and if you desaturate by 10%, it is **23.0739, 28.6830, 20.9662**.

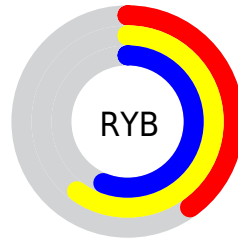
Distribution



Red (44%)

Green (60%)

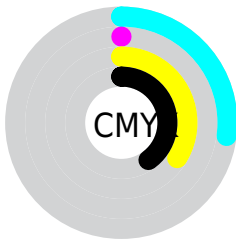
Blue (40%)



Red (40%)

Yellow (60%)

Blue (56%)

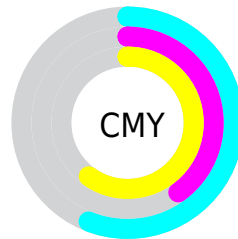


Cyan (27%)

Magenta (0%)

Yellow (34%)

Black (40%)



Cyan (56%)

Magenta (40%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5867, 27.4955, 16.5341 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 20.5867, 27.4955, 16.5341 by changing the saturation by 10% instead.

■ 20.5867, 27.4955,
16.5341

■ 20.5867, 27.4955,
16.5341

247.8473,
290.0483, 244.4254

■ 12.9330, 17.9457,
9.7444

■ 43.8951, 55.6780,
38.3026

■ 7.4591, 10.9110,
5.1265

■ 60.2806, 75.0794,
54.1185

■ 3.7997, 6.0070,
2.2616

■ 80.3073, 98.5336,
73.7802

■ 1.5894, 2.8494,
0.7096

■ 104.3406,
126.4248, 97.7064

■ 0.3855, 1.0536,
0.0000

132.7459,
159.1375, 126.3154

■ 0.0000, 0.0000,
0.0000

165.8886,

197.0560, 160.0259

204.1339,
240.5648, 199.2564

■ 20.5867, 27.4955,
16.5341

■ 20.5867, 27.4955,
16.5341

■ 18.4529, 26.4755,
12.8579

■ 23.0739, 28.6830,
20.9662

■ 16.6540, 25.6119,
9.8935

■ 25.9275, 30.0414,
26.1910

■ 15.1731, 24.8977,
7.5955


■ 29.1626, 31.5785,
32.2455


■ 13.9907, 24.3242,
5.9121


■ 32.7928, 33.3006,
39.1634


■ 13.0852, 23.8815,
4.7841


■ 36.8309, 35.2135,
46.9770


 12.4314, 23.5580,
4.1389

 41.2893, 37.3231,
55.7164

 12.1505, 23.4187,
3.8799

 46.1795, 39.6346,
65.4108

 51.5131, 42.1534,
76.0878

 57.3008, 44.8844,
87.7739

Harmonies

Analogous

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



23.8297, 27.4955, 12.5770



20.5867, 27.4955, 16.5341



18.9175, 27.4955, 24.8711

Triad

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



20.5867, 27.4955, 16.5341



24.2987, 27.4955, 59.2173



34.8238, 27.4955, 23.6379

Complementary

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



20.5867, 27.4955, 16.5341



21.8152, 17.4809, 32.7976

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.



34.9848, 27.4955, 35.6501



20.5867, 27.4955, 16.5341



28.5815, 27.4955, 58.6201

Square

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



20.5867, 27.4955, 16.5341



20.8977, 27.4955, 50.5921



32.5969, 27.4955, 49.1325



32.1784, 27.4955, 15.8446

Rectangle

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



20.5867, 27.4955, 16.5341



18.7888, 27.4955, 32.8085



32.5969, 27.4955, 49.1325



35.1796, 27.4955, 27.2398

Sweetspot

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



20.5874, 27.4967, 16.5347



49.4885, 55.7069, 52.0245



25.4266, 27.3109, 16.2438



11.0303, 12.5276, 11.4561



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.5874, 27.4967, 16.5347



34.4655, 48.5458, 24.9610



20.0766, 27.1404, 20.7092



6.2460, 6.9843, 6.6247



9.9243, 19.0921, 3.1621



0.1739, 0.2986, 0.0485

Inverse Universe

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



21.8152, 17.4809, 32.7976



37.0166, 27.6261, 58.9177



22.6401, 18.0417, 26.7099



6.3357, 6.2589, 7.8031



11.3258, 5.2897, 25.3318



0.1975, 0.0936, 0.3800

Previews

White Background



This preview shows how the XYZ color 20.5867, 27.4955, 16.5341 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 20.5867, 27.4955, 16.5341 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 20.5867, 27.4955, 16.5341

Background



This preview shows how black text looks on a background with the XYZ color 20.5867, 27.4955, 16.5341.



This preview shows how white text looks on a background with the XYZ color 20.5867, 27.4955,

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

20.5867, 27.4955, 16.5341

Protanopia

25.2602, 27.3595, 15.0159

Deuteranopia

27.8576, 27.3463, 17.1747



Tritanopia

24.7178, 27.5082, 36.8077

Trichromacy



Original Color

20.5867, 27.4955, 16.5341

Protanomaly

23.2858, 27.2382, 15.5855

Deuteranomaly

24.5339, 26.9403, 17.0036

Tritanomaly

22.9650, 27.4992, 28.1423

Monochromacy



Original Color

20.5867, 27.4955, 16.5341

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.0005, 25.2881, 22.4604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5867, 27.4955, 16.5341 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, 154, 101)` looks like.

```
.text, #text, p{  
    color:rgb(112, 154, 101)  
}
```

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, 154, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 154, 101) }
```

Border

The CSS property to change the border of an element to XYZ 20.5867, 27.4955, 16.5341 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, 154, 101) }
```


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

```
.border{ border-color:rgb(112, 154, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 154, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 154, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 154, 101);  
box-shadow:4px 4px 4px 4px rgb(112, 154,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5867, 27.4955, 16.5341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 154, 101) }
```

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

```
.background{ background-color: rgb(112,  
154, 101) }
```

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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