

Converting Colors

XYZ(20.8760, 27.9803, 18.8147)

Have a look what the booklet for
XYZ(20.8760, 27.9803, 18.8147)
contains.

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Color

**XYZ(20.9555, 28.1323,
18.7936)**

Conversions

Conversions Part 1

Format	Color
Hex	6D9C6D
RGB	109, 156, 109
RGB Percent	43%, 61%, 43%
CMY	0.5725, 0.3882, 0.5725
CMYK	0.30, 0.00, 0.30, 0.39
HSL	120°, 19%, 52%
HSV	120°, 30%, 61%
XYZ	20.9555, 28.1323, 18.7936
YIQ	136.5890, -12.9250, -24.5810

Conversions

Conversions Part 2

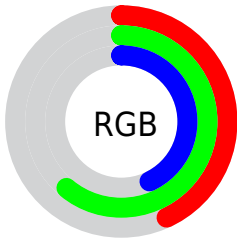
Format	Color
R_{YB}	109, 156, 156
Decimal	7183469
CIE _{Lab}	60.01, -25.56, 19.69
CIE _{LCh}	60, 32.269, 142.391
Y _{xy}	28.1323, 0.3087, 0.4144
Android (android.graphics.Color)	4285373549 (0xFF6D9C6D)
YUV	136.5890, -13.6014, -24.1956
Hunter-Lab	53.0399, -22.2963, 16.1197

Details

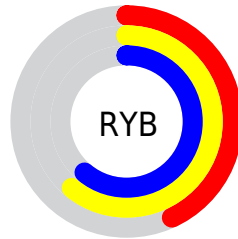
The XYZ color **20.9555, 28.1323, 18.7936** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.1807, 20.4062, 34.0654**, and the grayscale version is **23.6766, 24.9096, 27.1266**.

A 20% lighter version of the original color is **44.6276, 56.8431, 42.3379**, and **7.5963, 11.1674, 6.1700** is the 20% darker color. If you saturate the color by 10%, you get **18.4375, 26.9236, 14.6744**, and if you desaturate by 10%, it is **23.9647, 29.5786, 23.7151**.

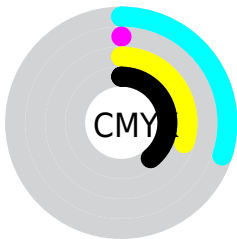
Distribution



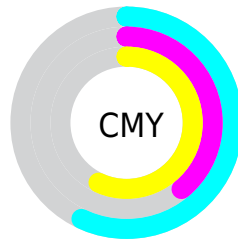
- Red (43%)
- Green (61%)
- Blue (43%)



- Red (43%)
- Yellow (61%)
- Blue (61%)



- Cyan (30%)
- Magenta (0%)
- Yellow (30%)
- Black (39%)



- Cyan (57%)
- Magenta (39%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9555, 28.1323, 18.7936 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 20.9555, 28.1323, 18.7936 by changing the saturation by 10% instead.

■ 20.9555, 28.1323,
18.7936

■ 20.9555, 28.1323,
18.7936

249.7781,
293.0986, 257.6916

■ 13.2038, 18.4254,
11.3459

■ 44.5053, 56.6956,
42.2171

■ 7.6470, 11.2558,
6.1829

■ 61.0341, 76.3208,
59.0300

■ 3.9198, 6.2392,
2.8860

■ 81.2192, 100.0209,
79.8017

■ 1.6569, 2.9911,
1.0367

■ 105.4261,
128.1803, 104.9508

■ 0.4290, 1.1271,
0.0000

134.0201,
161.1833, 134.8958

■ 0.0000, 0.0009,
0.0000

167.3665,

■ 0.0000, 0.0000,

199.4145, 170.0552

0.0000

205.8307,
243.2581, 210.8476

■ 20.9555, 28.1323,
18.7936

■ 20.9555, 28.1323,
18.7936

■ 18.4375, 26.9236,
14.6744

■ 23.9647, 29.5786,
23.7151

■ 16.3826, 25.9365,
11.3132

■ 27.4868, 31.2705,
29.4762

■ 14.7632, 25.1587,
8.6644


■ 31.5451, 33.2198,
36.1142


■ 13.5480, 24.5749,
6.6767


■ 36.1605, 35.4369,
43.6635


■ 12.7014, 24.1683,
5.2919


■ 41.3531, 37.9312,
52.1570


 12.1817, 23.9186,
4.4418

 47.1418, 40.7118,
61.6255

 11.8890, 23.7781,
3.9631

 53.5448, 43.7874,
72.0986

 60.5793, 47.1665,
83.6047

 68.2620, 50.8569,
96.1711

Harmonies

Analogous

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



23.8407, 28.1323, 14.1115



20.9555, 28.1323, 18.7936



19.6472, 28.1323, 27.7319

Triad

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



20.9555, 28.1323, 18.7936



25.7064, 28.1323, 58.9791



34.7296, 28.1323, 22.7949

Complementary

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



20.9555, 28.1323, 18.7936



25.1807, 20.4062, 34.0654

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.



35.3597, 28.1323, 33.7260



20.9555, 28.1323, 18.7936



29.8630, 28.1323, 56.6775

Square

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



20.9555, 28.1323, 18.7936



22.2013, 28.1323, 52.2809



33.4991, 28.1323, 46.6190



31.8562, 28.1323, 15.9751

Rectangle

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



20.9555, 28.1323, 18.7936



19.7406, 28.1323, 35.7480



33.4991, 28.1323, 46.6190



35.2219, 28.1323, 26.0277

Sweetspot

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



20.9562, 28.1335, 18.7942



50.5799, 57.1097, 54.6115



28.3603, 31.9505, 19.1406



10.9229, 12.4673, 11.6786



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.



20.9562, 28.1335, 18.7942



34.9519, 49.6028, 29.0491



22.3951, 28.7091, 26.3715



6.5508, 7.4011, 7.0690



9.7925, 19.5849, 3.2642



0.1751, 0.3502, 0.0584

Inverse Universe

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



25.1807, 20.4062, 34.0654



43.8582, 33.3116, 61.2445



23.3790, 19.6855, 24.5779



6.9042, 6.7546, 8.3465



16.2358, 7.7989, 26.5563



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 20.9555, 28.1323, 18.7936 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 20.9555, 28.1323, 18.7936 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 20.9555, 28.1323, 18.7936

Background



This preview shows how black text looks on a background with the XYZ color 20.9555, 28.1323, 18.7936.



This preview shows how white text looks on a background with the XYZ color 20.9555, 28.1323,

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

20.9555, 28.1323, 18.7936

Protanopia

25.9895, 27.9146, 17.1150

Deuteranopia

28.2176, 27.6940, 19.4810



Tritanopia

24.7882, 27.9900, 37.8144

Trichromacy



Original Color

20.9555, 28.1323, 18.7936

Protanomaly

23.6727, 27.6237, 17.7199

Deuteranomaly

25.0827, 27.6237, 19.3391

Tritanomaly

23.1810, 28.0543, 29.7844

Monochromacy



Original Color

20.9555, 28.1323, 18.7936

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.5564, 25.9908, 23.9066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9555, 28.1323, 18.7936 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(109, 156, 109)` looks like.

```
.text, #text, p{  
    color:rgb(109, 156, 109)  
}
```

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(109, 156, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 156, 109) }
```

Border

The CSS property to change the border of an element to XYZ 20.9555, 28.1323, 18.7936 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(109, 156, 109) }
```


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

```
.border{ border-color:rgb(109, 156, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 156, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 156, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 156, 109); box-shadow:4px 4px 4px 4px rgb(109, 156, 109) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9555, 28.1323, 18.7936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 156, 109) }
```

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

```
.background{ background-color: rgb(109,  
156, 109) }
```

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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