

Converting Colors

XYZ(20.3208, 27.0001, 18.0138)

Have a look what the booklet for
XYZ(20.3208, 27.0001, 18.0138)
contains.

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Color

**XYZ(20.3517, 27.0952,
18.0672)**

Conversions

Conversions Part 1

Format	Color
Hex	6D996B
RGB	109, 153, 107
RGB Percent	43%, 60%, 42%
CMY	0.5725, 0.4000, 0.5804
CMYK	0.29, 0.00, 0.30, 0.40
HSL	117°, 18%, 51%
HSV	117°, 30%, 60%
XYZ	20.3517, 27.0952, 18.0672
YIQ	134.6000, -11.4580, -23.6340

Conversions

Conversions Part 2

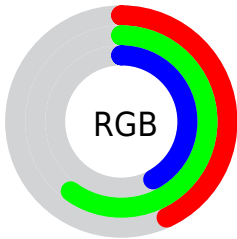
Format	Color
RYB	107, 153, 151
Decimal	7182699
CIELab	59.06, -24.42, 19.52
CIELCh	59, 31.257, 141.365
Yxy	27.0952, 0.3106, 0.4136
Android (android.graphics.Color)	4285372779 (0xFF6D996B)
YUV	134.6000, -13.6068, -22.4512
Hunter-Lab	52.0530, -21.3029, 15.8580

Details

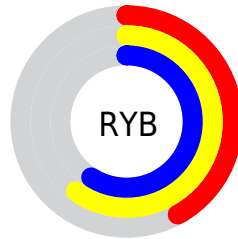
The XYZ color **20.3517, 27.0952, 18.0672** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.7713, 19.3955, 32.6293**, and the grayscale version is **22.9333, 24.1276, 26.2750**.

A 20% lighter version of the original color is **43.7142, 55.2963, 41.1702**, and **7.3444, 10.7483, 5.8252** is the 20% darker color. If you saturate the color by 10%, you get **17.9641, 25.9501, 14.1189**, and if you desaturate by 10%, it is **23.1830, 28.4542, 22.7809**.

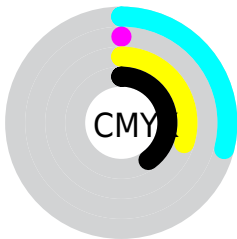
Distribution



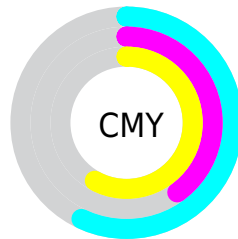
- Red (43%)
- Green (60%)
- Blue (42%)



- Red (42%)
- Yellow (60%)
- Blue (59%)



- Cyan (29%)
- Magenta (0%)
- Yellow (30%)
- Black (40%)



- Cyan (57%)
- Magenta (40%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3517, 27.0952, 18.0672 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 20.3517, 27.0952, 18.0672 by changing the saturation by 10% instead.

■ 20.3517, 27.0952,
18.0672

■ 20.3517, 27.0952,
18.0672

246.6102,
288.1178, 253.4984

■ 12.7607, 17.6447,
10.8283

■ 43.5055, 55.0366,
40.9673

■ 7.3398, 10.6952,
5.8388

■ 59.7990, 74.2963,
57.4656

■ 3.7237, 5.8623,
2.6801

■ 79.7241, 97.5946,
77.8874

■ 1.5471, 2.7615,
0.9334

■ 103.6461,
125.3158, 102.6512

■ 0.3575, 1.0085,
0.0000

131.9303,
157.8443, 132.1757

■ 0.0000, 0.0000,
0.0000

164.9422,

195.5645, 166.8794

203.0470,
238.8609, 207.1808

■ 20.3517, 27.0952,
18.0672

■ 20.3517, 27.0952,
18.0672

■ 17.9641, 25.9501,
14.1189

■ 23.1830, 28.4542,
22.7809

■ 15.9957, 25.0047,
10.8941

■ 26.4767, 30.0335,
28.2956

■ 14.4230, 24.2486,
8.3494


■ 30.2528, 31.8435,
34.6468


■ 13.2191, 23.6690,
6.4360


■ 34.5298, 33.8930,
41.8671

■ 12.3539, 23.2517,
5.0990


■ 39.3250, 36.1902,
49.9877

 11.7927, 22.9801,
4.2735

 44.6550, 38.7432,
59.0380

 11.4750, 22.8265,
3.8012

 50.5356, 41.5593,
69.0462

 56.9819, 44.6458,
80.0393

 64.0085, 48.0097,
92.0432

Harmonies

Analogous

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



23.1285, 27.0952, 13.7368



20.3517, 27.0952, 18.0672



19.0562, 27.0952, 26.4078

Triad

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



20.3517, 27.0952, 18.0672



24.6488, 27.0952, 56.0840



33.3483, 27.0952, 22.3796

Complementary

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



20.3517, 27.0952, 18.0672



23.7713, 19.3955, 32.6293

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.



33.8598, 27.0952, 32.8291



20.3517, 27.0952, 18.0672



28.5692, 27.0952, 54.2224

Square

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



20.3517, 27.0952, 18.0672



21.3685, 27.0952, 49.5483



32.0346, 27.0952, 44.9620



30.7000, 27.0952, 15.7564

Rectangle

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



20.3517, 27.0952, 18.0672



19.1068, 27.0952, 33.9182



32.0346, 27.0952, 44.9620



33.7857, 27.0952, 25.4869

Sweetspot

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



20.3524, 27.0963, 18.0678



47.9795, 54.0549, 51.6204



26.8103, 29.8720, 18.2632



10.4057, 11.8454, 11.0817



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.3524, 27.0963, 18.0678



33.5190, 47.1189, 27.5082



21.3321, 27.4601, 24.4955



6.1558, 6.9377, 6.6205



9.4909, 18.8686, 3.1418



0.1477, 0.2851, 0.0472

Inverse Universe

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



23.7713, 19.3955, 32.6293



40.6350, 31.0817, 57.8296



22.5810, 18.9626, 24.4085



6.4347, 6.3100, 7.8078



14.6086, 6.9821, 25.4854



0.2254, 0.1080, 0.3813

Previews

White Background



This preview shows how the XYZ color 20.3517, 27.0952, 18.0672 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 20.3517, 27.0952, 18.0672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

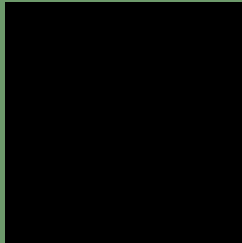
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3517, 27.0952, 18.0672

Background



This preview shows how black text looks on a background with the XYZ color 20.3517, 27.0952, 18.0672.



This preview shows how white text looks on a background with the XYZ color 20.3517, 27.0952,

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

20.3517, 27.0952, 18.0672

Protanopia

25.0202, 26.9807, 16.4595

Deuteranopia

27.3993, 26.8630, 18.7799



Tritanopia

23.9217, 26.8779, 36.2749

Trichromacy



Original Color

20.3517, 27.0952, 18.0672

Protanomaly

22.9309, 26.7915, 17.0594

Deuteranomaly

24.1645, 26.4915, 18.5916

Tritanomaly

22.4779, 27.0038, 28.4536

Monochromacy



Original Color

20.3517, 27.0952, 18.0672

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.9789, 25.2623, 23.1197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3517, 27.0952, 18.0672 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, 153, 107)` looks like.

```
.text, #text, p{  
    color:rgb(109, 153, 107)  
}
```

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, 153, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 153, 107) }
```

Border

The CSS property to change the border of an element to XYZ 20.3517, 27.0952, 18.0672 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, 153, 107) }
```


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

```
.border{ border-color:rgb(109, 153, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 153, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 153, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 153, 107);  
box-shadow:4px 4px 4px 4px rgb(109, 153,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3517, 27.0952, 18.0672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 153, 107) }
```

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

```
.background{ background-color: rgb(109,  
153, 107) }
```

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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