

Converting Colors

XYZ(18.6863, 27.3025, 27.2249)

Have a look what the booklet for
XYZ(18.6863, 27.3025, 27.2249)
contains.

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Color

**XYZ(18.6499, 27.2598,
27.2004)**

Conversions

Conversions Part 1

Format	Color
Hex	3F9E87
RGB	63, 158, 135
RGB Percent	25%, 62%, 53%
CMY	0.7529, 0.3804, 0.4706
CMYK	0.60, 0.00, 0.15, 0.38
HSL	165°, 43%, 43%
HSV	165°, 60%, 62%
XYZ	18.6499, 27.2598, 27.2004
YIQ	126.9730, -49.2370, -27.2930

Conversions

Conversions Part 2

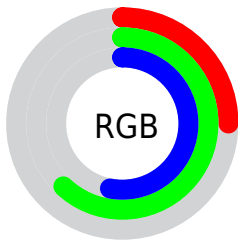
Format	Color
RYB	63, 117, 158
Decimal	4169351
CIELab	59.21, -33.65, 3.72
CIELCh	59, 33.857, 173.694
Yxy	27.2598, 0.2551, 0.3729
Android (android.graphics.Color)	4282359431 (0xFF3F9E87)
YUV	126.9730, 3.9573, -56.1043
Hunter-Lab	52.2109, -27.6084, 5.6592

Details

The XYZ color **18.6499, 27.2598, 27.2004** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.5586, 11.4966, 10.0985**, and the grayscale version is **20.1631, 21.2132, 23.1011**.

A 20% lighter version of the original color is **40.6171, 55.2124, 56.0933**, and **6.7937, 10.9639, 10.3525** is the 20% darker color. If you saturate the color by 10%, you get **17.5176, 26.7073, 25.7670**, and if you desaturate by 10%, it is **20.0830, 27.9676, 28.6996**.

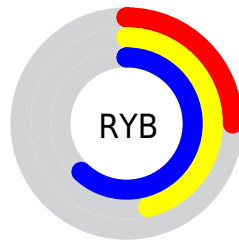
Distribution



Red (25%)

Green (62%)

Blue (53%)



Red (25%)

Yellow (46%)

Blue (62%)

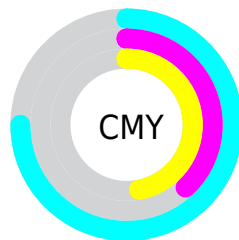


Cyan (60%)

Magenta (0%)

Yellow (15%)

Black (38%)



Cyan (75%)

Magenta (38%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6499, 27.2598, 27.2004 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 18.6499, 27.2598, 27.2004 by changing the saturation by 10% instead.

■ 18.6499, 27.2598,
27.2004

■ 18.6499, 27.2598,
27.2004

237.4845,
288.9128, 302.4169

■ 11.5201, 17.7684,
17.4900

■ 40.6631, 55.3005,
56.2129

■ 6.4877, 10.7839,
10.4188

■ 56.2773, 74.6186,
76.3521

■ 3.1873, 5.9217,
5.5683

■ 75.4502, 97.9811,
100.8047

■ 1.2536, 2.7975,
2.5199

■ 98.5473, 125.7723,
129.9892

■ 0.1480, 1.0270,
0.8507

■ 125.9339,
158.3767, 164.3241

■ 0.0000, 0.0000,
0.0000

157.9754,

196.1787, 204.2280

195.0372,
239.5626, 250.1194

■ 18.6499, 27.2598,
27.2004

■ 18.6499, 27.2598,
27.2004

■ 17.5176, 26.7073,
25.7670

■ 20.0830, 27.9676,
28.6996

■ 16.6582, 26.2938,
24.3958

■ 21.8371, 28.8391,
30.2643

■ 16.0424, 26.0046,
23.0854

■ 23.9336, 29.8859,
31.8966

■ 15.6022, 25.8047,
21.8474

■ 26.3911, 31.1176,
33.5979

■ 29.2268, 32.5432,
35.3694

■ 32.4570, 34.1710,
37.2123

■ 36.0969, 36.0088,
39.1280

■ 40.1609, 38.0641,
41.1175

■ 44.6628, 40.3438,
43.1820

Harmonies

Analogous

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



19.9032, 27.2598, 17.9347



18.6499, 27.2598, 27.2004



19.1647, 27.2598, 40.0378

Triad

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



18.6499, 27.2598, 27.2004



29.3104, 27.2598, 56.4639



31.0192, 27.2598, 14.6121

Complementary

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



18.6499, 27.2598, 27.2004



17.5586, 11.4966, 10.0985

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.



34.0762, 27.2598, 21.2851



18.6499, 27.2598, 27.2004



33.0171, 27.2598, 45.6834

Square

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



18.6499, 27.2598, 27.2004



25.0282, 27.2598, 59.3029



34.8443, 27.2598, 32.3086



26.8115, 27.2598, 12.0520

Rectangle

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



18.6499, 27.2598, 27.2004



20.4725, 27.2598, 48.8114



34.8443, 27.2598, 32.3086



32.2331, 27.2598, 16.3441

Sweetspot

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



18.6507, 27.2609, 27.2010



48.7868, 56.9404, 61.5725



17.0320, 26.8280, 8.9836



10.6977, 12.6859, 13.6844



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.



18.6507, 27.2609, 27.2010



31.2464, 48.2253, 45.9615



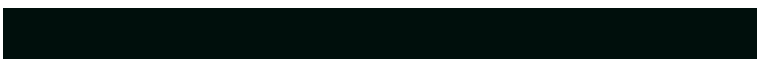
16.7819, 20.6457, 35.4496



6.7531, 7.4820, 8.1346



12.5112, 20.6724, 17.5810



0.2390, 0.3757, 0.3949

Inverse Universe

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



17.5586, 11.4966, 10.0985



29.1245, 17.0154, 12.3016



18.3866, 14.4047, 6.5142



6.6956, 6.6712, 7.2484



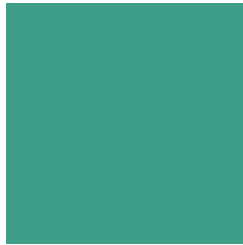
11.5902, 5.9406, 2.0930



0.2222, 0.1122, 0.1163

Previews

White Background



This preview shows how the XYZ color 18.6499, 27.2598, 27.2004 looks on a white background.

Color Contrast Check

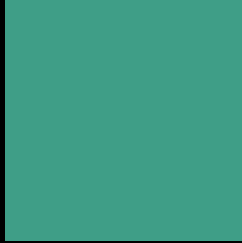
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6499, 27.2598, 27.2004 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

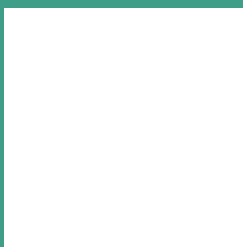
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6499, 27.2598, 27.2004

Background



This preview shows how black text looks on a background with the XYZ color 18.6499, 27.2598, 27.2004.

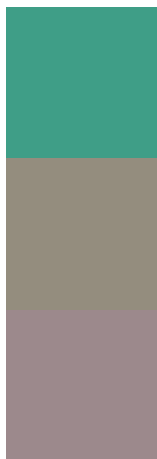


This preview shows how white text looks on a background with the XYZ color 18.6499, 27.2598,

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

18.6499, 27.2598, 27.2004

Protanopia

25.5035, 26.8520, 23.5774

Deuteranopia

27.3896, 26.8527, 28.5504



Tritanopia

21.3402, 27.3602, 40.2327

Trichromacy



Original Color

18.6499, 27.2598, 27.2004

Protanomaly

21.7323, 26.2343, 24.6872

Deuteranomaly

22.7389, 26.2234, 27.9079

Tritanomaly

20.2363, 27.1488, 35.1840

Monochromacy



Original Color

18.6499, 27.2598, 27.2004

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.8267, 22.7317, 24.5145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6499, 27.2598, 27.2004 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(63, 158, 135)` looks like.

```
.text, #text, p{  
    color:rgb(63, 158, 135)  
}
```

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(63, 158, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 158, 135) }
```

Border

The CSS property to change the border of an element to XYZ 18.6499, 27.2598, 27.2004 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(63, 158, 135) }
```


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

```
.border{ border-color:rgb(63, 158, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 158, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 158, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 158, 135);  
box-shadow:4px 4px 4px 4px rgb(63, 158,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6499, 27.2598, 27.2004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 158, 135) }
```

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

```
.background{ background-color: rgb(63, 158,  
135) }
```

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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