

Converting Colors

XYZ(18.6190, 26.4778, 27.8046)

Have a look what the booklet for
XYZ(18.6190, 26.4778, 27.8046)
contains.

XYZ(18.6206, 26.4778, 27.7962)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.6206, 26.4778,
27.7962)**

Conversions

Conversions Part 1

Format	Color
Hex	449B89
RGB	68, 155, 137
RGB Percent	27%, 61%, 54%
CMY	0.7333, 0.3921, 0.4627
CMYK	0.56, 0.00, 0.12, 0.39
HSL	168°, 39%, 44%
HSV	168°, 56%, 61%
XYZ	18.6206, 26.4778, 27.7962
YIQ	126.9350, -46.0740, -24.0420

Conversions

Conversions Part 2

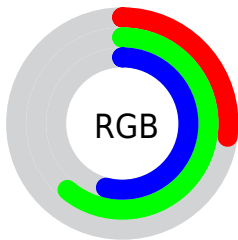
Format	Color
RYB	68, 117, 155
Decimal	4496265
CIELab	58.49, -30.67, 1.55
CIElCh	58, 30.713, 177.101
Yxy	26.4778, 0.2554, 0.3632
Android (android.graphics.Color)	4282686345 (0xFF449B89)
YUV	126.9350, 4.9620, -51.6860
Hunter-Lab	51.4566, -25.4552, 3.9919

Details

The XYZ color **18.6206, 26.4778, 27.7962** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.2653, 11.7754, 10.1680**, and the grayscale version is **20.1460, 21.1952, 23.0815**.

A 20% lighter version of the original color is **40.6530, 54.0960, 57.0141**, and **6.5705, 10.3886, 10.6757** is the 20% darker color. If you saturate the color by 10%, you get **17.4527, 25.9026, 26.5588**, and if you desaturate by 10%, it is **20.0827, 27.2052, 29.0842**.

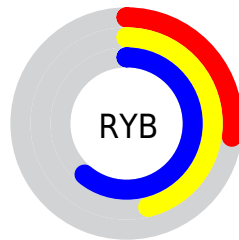
Distribution



Red (27%)

Green (61%)

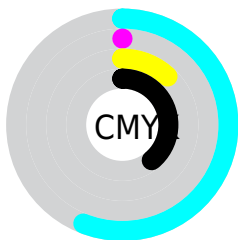
Blue (54%)



Red (27%)

Yellow (46%)

Blue (61%)

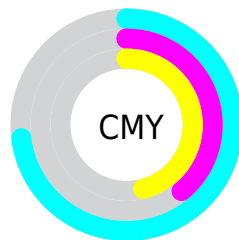


Cyan (56%)

Magenta (0%)

Yellow (12%)

Black (39%)



Cyan (73%)

Magenta (39%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6206, 26.4778, 27.7962 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 18.6206, 26.4778, 27.7962 by changing the saturation by 10% instead.

■ 18.6206, 26.4778,
27.7962

■ 18.6206, 26.4778,
27.7962

237.3247,
285.1197, 305.3730

■ 11.4988, 17.1814,
17.9344

■ 40.6139, 54.0448,
57.1781

■ 6.4732, 10.3639,
10.7339

■ 56.2161, 73.0841,
77.5352

■ 3.1782, 5.6409,
5.7763

■ 75.3758, 96.1400,
102.2279

■ 1.2487, 2.6280,
2.6430

■ 98.4584, 123.5966,
131.6746

■ 0.1443, 0.9408,
0.9145

■ 125.8292,
155.8386, 166.2940

■ 0.0000, 0.0000,
0.0000

157.8537,

193.2501, 206.5045

194.8970,
236.2157, 252.7246

■ 18.6206, 26.4778,
27.7962

■ 18.6206, 26.4778,
27.7962

■ 17.4527, 25.9026,
26.5588

■ 20.0827, 27.2052,
29.0842

■ 16.5536, 25.4645,
25.3688

■ 21.8573, 28.0923,
30.4223

■ 15.8974, 25.1508,
24.2253

■ 23.9639, 29.1497,
31.8123

■ 15.4459, 24.9419,
23.1261

■ 26.4197, 30.3863,
33.2552

■ 15.2926, 24.8719,
22.7108

■ 29.2408, 31.8104,
34.7521

■ 32.4422, 33.4298,
36.3039

■ 36.0380, 35.2516,
37.9117

■ 40.0417, 37.2829,
39.5763

■ 44.4661, 39.5302,
41.2987

Harmonies

Analogous

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



19.5765, 26.4778, 18.9913



18.6206, 26.4778, 27.7962



19.2691, 26.4778, 39.3162

Triad

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



18.6206, 26.4778, 27.7962



28.6019, 26.4778, 51.4407



29.2965, 26.4778, 14.7170

Complementary

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



18.6206, 26.4778, 27.7962



17.2653, 11.7754, 10.1680

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.



32.1586, 26.4778, 20.3965



18.6206, 26.4778, 27.7962



31.7303, 26.4778, 41.5870

Square

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



18.6206, 26.4778, 27.7962



24.8028, 26.4778, 54.8136



33.0903, 26.4778, 29.8888



25.5334, 26.4778, 12.7136

Rectangle

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



18.6206, 26.4778, 27.7962



20.5633, 26.4778, 46.7911



33.0903, 26.4778, 29.8888



30.4096, 26.4778, 16.1774

Sweetspot

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



18.6214, 26.4788, 27.7968



46.7496, 54.1325, 59.2381



16.6821, 25.8802, 9.5855



10.3905, 12.1564, 13.2994



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.



18.6214, 26.4788, 27.7968



30.8643, 46.1957, 47.0906



16.3304, 19.6550, 33.9447



6.3298, 7.0046, 7.6602



12.2966, 19.9821, 18.3143



0.1961, 0.3037, 0.3386

Inverse Universe

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



17.2653, 11.7754, 10.1680



28.2235, 17.2480, 12.5272



18.4455, 15.1541, 7.4222



6.2585, 6.2426, 6.7413



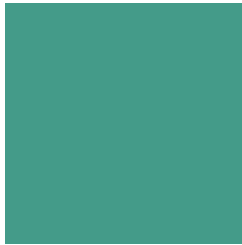
11.0794, 5.6860, 1.6772



0.1768, 0.0895, 0.0837

Previews

White Background



This preview shows how the XYZ color 18.6206, 26.4778, 27.7962 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 18.6206, 26.4778, 27.7962 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

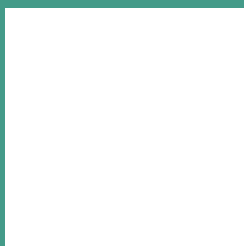
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6206, 26.4778, 27.7962

Background



This preview shows how black text looks on a background with the XYZ color 18.6206, 26.4778, 27.7962.

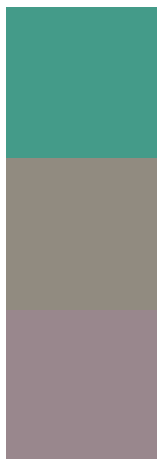


This preview shows how white text looks on a background with the XYZ color 18.6206, 26.4778,

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

18.6206, 26.4778, 27.7962

Protanopia

24.8060, 26.0435, 24.1416

Deuteranopia

26.6086, 26.0233, 28.8199



Tritanopia

20.7380, 26.3553, 38.6444

Trichromacy



Original Color

18.6206, 26.4778, 27.7962

Protanomaly

21.5583, 25.6714, 25.2916

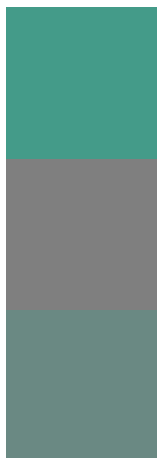
Deuteranomaly

22.4327, 25.3770, 28.5269

Tritanomaly

19.8850, 26.2454, 34.5897

Monochromacy



Original Color

18.6206, 26.4778, 27.7962

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.9863, 22.5942, 24.8332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6206, 26.4778, 27.7962 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(68, 155, 137)` looks like.

```
.text, #text, p{  
    color:rgb(68, 155, 137)  
}
```

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(68, 155, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 155, 137) }
```

Border

The CSS property to change the border of an element to XYZ 18.6206, 26.4778, 27.7962 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(68, 155, 137) }
```


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

```
.border{ border-color:rgb(68, 155, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 155, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 155, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 155, 137);  
box-shadow:4px 4px 4px 4px rgb(68, 155,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6206, 26.4778, 27.7962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 155, 137) }
```

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

```
.background{ background-color: rgb(68, 155,  
137) }
```

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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