

Converting Colors

XYZ(19.9002, 26.5309, 20.2462)

Have a look what the booklet for
XYZ(19.9002, 26.5309, 20.2462)
contains.

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Color

**XYZ(19.9163, 26.5778,
20.3000)**

Conversions

Conversions Part 1

Format	Color
Hex	679873
RGB	103, 152, 115
RGB Percent	40%, 60%, 45%
CMY	0.5961, 0.4039, 0.5490
CMYK	0.32, 0.00, 0.24, 0.40
HSL	135°, 19%, 50%
HSV	135°, 32%, 60%
XYZ	19.9163, 26.5778, 20.3000
YIQ	133.1310, -17.3270, -21.8950

Conversions

Conversions Part 2

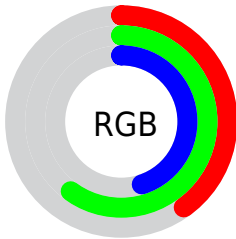
Format	Color
R_{YB}	103, 142, 152
Decimal	6789235
CIE _{Lab}	58.58, -24.49, 14.33
CIE _{LCh}	59, 28.378, 149.662
Yxy	26.5778, 0.2982, 0.3979
Android (android.graphics.Color)	4284979315 (0xFF679873)
YUV	133.1310, -8.9386, -26.4249
Hunter-Lab	51.5537, -21.2605, 12.7413

Details

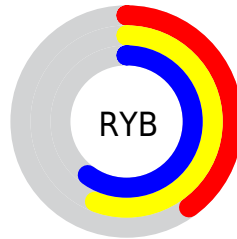
The XYZ color **19.9163, 26.5778, 20.3000** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.5337, 18.2700, 27.1510**, and the grayscale version is **22.3787, 23.5441, 25.6395**.

A 20% lighter version of the original color is **42.8054, 54.3842, 44.8003**, and **7.1350, 10.4695, 6.9550** is the 20% darker color. If you saturate the color by 10%, you get **17.7090, 25.5123, 16.9612**, and if you desaturate by 10%, it is **22.5243, 27.8419, 24.0881**.

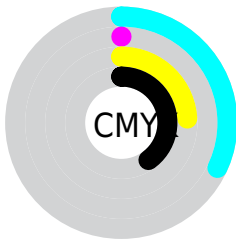
Distribution



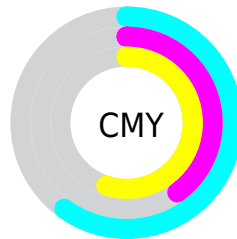
- Red (40%)
- Green (60%)
- Blue (45%)



- Red (40%)
- Yellow (56%)
- Blue (60%)



- Cyan (32%)
- Magenta (0%)
- Yellow (24%)
- Black (40%)



- Cyan (60%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9163, 26.5778, 20.3000 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 19.9163, 26.5778, 20.3000 by changing the saturation by 10% instead.

■ 19.9163, 26.5778,
20.3000

■ 19.9163, 26.5778,
20.3000

244.3038,
285.6071, 266.1923

■ 12.4421, 17.2564,
12.4271

■ 42.7818, 54.2056,
44.7851

■ 7.1199, 10.4175,
6.9092

■ 58.9039, 73.2808,
62.2344

■ 3.5842, 5.6766,
3.3278

■ 78.6393, 96.3761,
83.7129

■ 1.4697, 2.6495,
1.2643

■ 102.3534,
123.8758, 109.6392

■ 0.3051, 0.9516,
0.0323

130.4115,
156.1644, 140.4317

■ 0.0000, 0.0000,
0.0000

163.1791,

193.6262, 176.5090

201.0214,
236.6456, 218.2897

■ 19.9163, 26.5778,
20.3000

■ 19.9163, 26.5778,
20.3000

■ 17.7090, 25.5123,
16.9612

■ 22.5243, 27.8419,
24.0881

■ 15.8800, 24.6318,
14.0531

■ 25.5496, 29.3105,
28.3394

■ 14.4080, 23.9267,
11.5588

■ 29.0104, 30.9935,
33.0696

■ 13.2687, 23.3847,
9.4592

■ 32.9232, 32.8991,
38.2930

■ 12.4346, 22.9920,
7.7339

■ 37.3038, 35.0351,
44.0233

■ 11.8733, 22.7325,
6.3606

■ 42.1671, 37.4089,
50.2736

■ 11.5662, 22.5924,
5.5199

■ 47.5272, 40.0275,
57.0568

■ 53.3978, 42.8978,
64.3850

■ 59.7920, 46.0263,
72.2702

Harmonies

Analogous

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



22.0932, 26.5778, 15.2786



19.9163, 26.5778, 20.3000



19.1448, 26.5778, 28.8259

Triad

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



19.9163, 26.5778, 20.3000



25.2220, 26.5778, 52.6370



31.5320, 26.5778, 20.4548

Complementary

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



19.9163, 26.5778, 20.3000



22.5337, 18.2700, 27.1510

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.



32.5591, 26.5778, 29.0518



19.9163, 26.5778, 20.3000



28.7189, 26.5778, 48.9843

Square

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



19.9163, 26.5778, 20.3000



22.0308, 26.5778, 48.8240



31.4863, 26.5778, 39.7349



28.7934, 26.5778, 15.3525

Rectangle

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



19.9163, 26.5778, 20.3000



19.4707, 26.5778, 35.8759



31.4863, 26.5778, 39.7349



32.0995, 26.5778, 22.9589

Sweetspot

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



19.9170, 26.5789, 20.3006



46.2799, 52.3093, 51.6557



24.5884, 29.0617, 17.1459



10.3476, 11.8060, 11.5044



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.



19.9170, 26.5789, 20.3006



32.1590, 45.4651, 31.3256



21.4779, 27.2033, 28.5203



6.1911, 6.9492, 6.9298



9.7084, 18.9468, 4.6850



0.1579, 0.2883, 0.1370

Inverse Universe

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



22.5337, 18.2700, 27.1510



37.5409, 28.3595, 45.4031



20.9562, 17.6391, 18.8441



6.3965, 6.2978, 7.4683



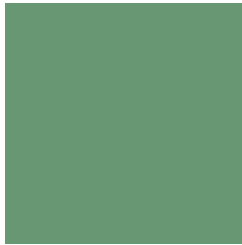
13.4540, 6.6358, 14.1814



0.2151, 0.1048, 0.2854

Previews

White Background



This preview shows how the XYZ color 19.9163, 26.5778, 20.3000 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 19.9163, 26.5778, 20.3000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

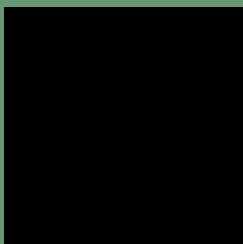
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

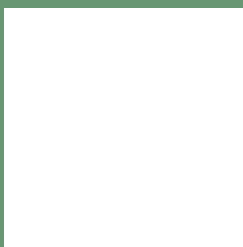
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9163, 26.5778, 20.3000

Background



This preview shows how black text looks on a background with the XYZ color 19.9163, 26.5778, 20.3000.



This preview shows how white text looks on a background with the XYZ color 19.9163, 26.5778,

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

19.9163, 26.5778, 20.3000

Protanopia

24.7161, 26.3443, 18.2503

Deuteranopia

26.8940, 26.3412, 21.1197



Tritanopia

23.1325, 26.4711, 36.2380

Trichromacy



Original Color

19.9163, 26.5778, 20.3000

Protanomaly

22.5154, 26.0808, 18.8863

Deuteranomaly

23.7794, 26.0205, 20.9087

Tritanomaly

21.7791, 26.3840, 29.5359

Monochromacy



Original Color

19.9163, 26.5778, 20.3000

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.1700, 24.4001, 23.3326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9163, 26.5778, 20.3000 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(103, 152, 115)` looks like.

```
.text, #text, p{  
    color:rgb(103, 152, 115)  
}
```

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(103, 152, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 152, 115) }
```

Border

The CSS property to change the border of an element to XYZ 19.9163, 26.5778, 20.3000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

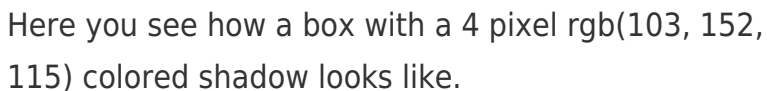
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 152, 115) }
```


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

```
.border{ border-color:rgb(103, 152, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 152, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 152, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 152, 115); box-shadow:4px 4px 4px 4px rgb(103, 152, 115) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9163, 26.5778, 20.3000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 152, 115) }
```

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

```
.background{ background-color: rgb(103,  
152, 115) }
```

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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