

Converting Colors

XYZ(19.8303, 24.6136, 20.5028)

Have a look what the booklet for
XYZ(19.8303, 24.6136, 20.5028)
contains.

XYZ(19.8662, 24.6756, 20.5454)	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(19.8662, 24.6756,
20.5454)**

Conversions

Conversions Part 1

Format	Color
Hex	709075
RGB	112, 144, 117
RGB Percent	44%, 56%, 46%
CMY	0.5608, 0.4353, 0.5412
CMYK	0.22, 0.00, 0.19, 0.44
HSL	129°, 13%, 50%
HSV	129°, 22%, 56%
XYZ	19.8662, 24.6756, 20.5454
YIQ	131.3540, -10.4050, -15.1810

Conversions

Conversions Part 2

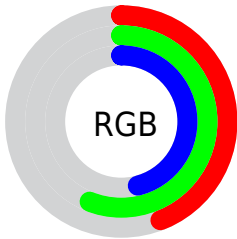
Format	Color
R _Y B	112, 140, 144
Decimal	7377013
CIE Lab	56.76, -16.88, 10.73
CIE LCh	57, 20.004, 147.557
Yxy	24.6756, 0.3052, 0.3791
Android (android.graphics.Color)	4285567093 (0xFF709075)
YUV	131.3540, -7.0765, -16.9735
Hunter-Lab	49.6745, -15.5434, 10.2498

Details

The XYZ color **19.8662, 24.6756, 20.5454** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.9568, 19.3822, 27.0110**, and the grayscale version is **21.7277, 22.8593, 24.8937**.

A 20% lighter version of the original color is **42.6654, 51.1453, 45.1594**, and **7.0384, 9.3151, 7.0573** is the 20% darker color. If you saturate the color by 10%, you get **17.5099, 23.5388, 16.9450**, and if you desaturate by 10%, it is **22.6097, 26.0026, 24.6490**.

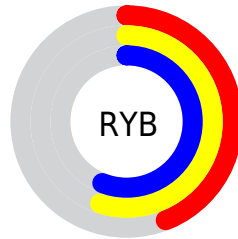
Distribution



Red (44%)

Green (56%)

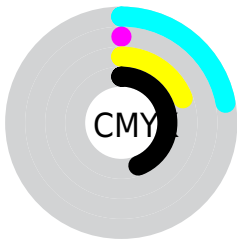
Blue (46%)



Red (44%)

Yellow (55%)

Blue (56%)

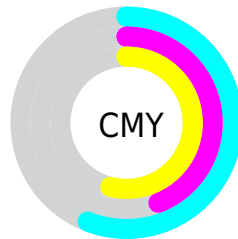


Cyan (22%)

Magenta (0%)

Yellow (19%)

Black (44%)



Cyan (56%)

Magenta (44%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8662, 24.6756, 20.5454 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 19.8662, 24.6756, 20.5454 by changing the saturation by 10% instead.

■ 19.8662, 24.6756,
20.5454

■ 19.8662, 24.6756,
20.5454

244.0372,
276.2185, 267.5538

■ 12.4055, 15.8355,
12.6041

■ 42.6984, 51.1305,
45.2006

■ 7.0946, 9.4078,
7.0290

■ 58.8006, 69.5140,
62.7517

■ 3.5682, 5.0081,
3.4015

■ 78.5141, 91.8476,
84.3431

■ 1.4609, 2.2520,
1.3031

■ 102.2041,
118.5155, 110.3933

■ 0.2990, 0.7481,
0.0644

130.2361,
149.9021, 141.3210

■ 0.0000, 0.0000,
0.0000

162.9754,

186.3919, 177.5446

200.7873,
228.3693, 219.4827

■ 19.8662, 24.6756,
20.5454

■ 19.8662, 24.6756,
20.5454

■ 17.5099, 23.5388,
16.9450

■ 22.6097, 26.0026,
24.6490

■ 15.5212, 22.5806,
13.8270

■ 25.7547, 27.5249,
29.2725

■ 13.8822, 21.7927,
11.1712

■ 29.3172, 29.2509,
34.4338

■ 12.5722, 21.1651,
8.9558

■ 33.3118, 31.1878,
40.1494

■ 11.5687, 20.6865,
7.1567

■ 37.7525, 33.3425,
46.4352

■ 10.8461, 20.3444,
5.7479

■ 42.6523, 35.7215,
53.3062

■ 10.3744, 20.1240,
4.7004

■ 48.0241, 38.3309,
60.7773

■ 10.1234, 20.0074,
4.1129

■ 53.8800, 41.1768,
68.8624

■ 60.2317, 44.2650,
77.5753

Harmonies

Analogous

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



21.4379, 24.6756, 17.0077



19.8662, 24.6756, 20.5454



19.2493, 24.6756, 26.3233

Triad

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



19.8662, 24.6756, 20.5454



23.2626, 24.6756, 41.8633



27.6614, 24.6756, 21.3493

Complementary

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



19.8662, 24.6756, 20.5454



21.9568, 19.3822, 27.0110

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.



28.2290, 24.6756, 27.4192



19.8662, 24.6756, 20.5454



25.5915, 24.6756, 39.9492

Square

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



19.8662, 24.6756, 20.5454



21.1273, 24.6756, 39.2396



27.4484, 24.6756, 34.3694



25.9443, 24.6756, 17.4148

Rectangle

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



19.8662, 24.6756, 20.5454



19.4295, 24.6756, 30.9341



27.4484, 24.6756, 34.3694



27.9977, 24.6756, 23.1739

Sweetspot

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



19.8669, 24.6766, 20.5459



42.6037, 47.1802, 47.4988



23.5798, 26.6238, 19.2255



9.7066, 10.7888, 10.7993



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.8669, 24.6766, 20.5459



32.7403, 42.4118, 32.7433



20.8759, 25.0803, 25.8594



5.3751, 6.0423, 5.9412



8.8214, 17.4244, 3.6135



0.0896, 0.1687, 0.0622

Inverse Universe

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



21.9568, 19.3822, 27.0110



37.1405, 31.2614, 46.3523



20.8842, 18.9532, 21.3627



5.5906, 5.4967, 6.6078



13.0549, 6.3790, 16.4725



0.1311, 0.0635, 0.1907

Previews

White Background



This preview shows how the XYZ color 19.8662, 24.6756, 20.5454 looks on a white background.

Color Contrast Check

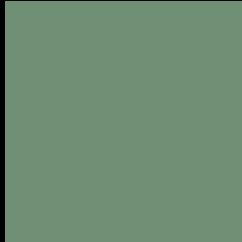
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8662, 24.6756, 20.5454 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 19.8662, 24.6756, 20.5454

Background



This preview shows how black text looks on a background with the XYZ color 19.8662, 24.6756, 20.5454.



This preview shows how white text looks on a background with the XYZ color 19.8662, 24.6756,

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

19.8662, 24.6756, 20.5454

Protanopia

22.9723, 24.3598, 19.1139

Deuteranopia

25.0240, 24.5572, 21.1904



Tritanopia

22.2897, 24.5512, 32.8422

Trichromacy



Original Color

19.8662, 24.6756, 20.5454

Protanomaly

21.6415, 24.2974, 19.4688

Deuteranomaly

22.7814, 24.4292, 20.9674

Tritanomaly

21.3875, 24.6268, 28.0523

Monochromacy



Original Color

19.8662, 24.6756, 20.5454

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.8822, 23.3998, 23.1547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8662, 24.6756, 20.5454 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(112, 144, 117)` looks like.

```
.text, #text, p{  
    color:rgb(112, 144, 117)  
}
```

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(112, 144, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 144, 117) }
```

Border

The CSS property to change the border of an element to XYZ 19.8662, 24.6756, 20.5454 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(112, 144, 117) }
```


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

```
.border{ border-color:rgb(112, 144, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 144, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 144, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 144, 117);  
box-shadow:4px 4px 4px 4px rgb(112, 144,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8662, 24.6756, 20.5454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 144, 117) }
```

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

```
.background{ background-color: rgb(112,  
144, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor