

Converting Colors

XYZ(20.1589, 24.4288, 20.4289)

Have a look what the booklet for
XYZ(20.1589, 24.4288, 20.4289)
contains.

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Color

**XYZ(20.0863, 24.3434,
20.4697)**

Conversions

Conversions Part 1

Format	Color
Hex	748E75
RGB	116, 142, 117
RGB Percent	45%, 56%, 46%
CMY	0.5451, 0.4431, 0.5412
CMYK	0.18, 0.00, 0.18, 0.44
HSL	122°, 10%, 51%
HSV	122°, 18%, 56%
XYZ	20.0863, 24.3434, 20.4697
YIQ	131.3760, -7.4710, -13.2870

Conversions

Conversions Part 2

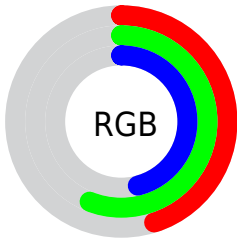
Format	Color
R _Y B	116, 141, 142
Decimal	7638645
CIE Lab	56.43, -14.38, 10.31
CIE LCh	56, 17.689, 144.362
Yxy	24.3434, 0.3095, 0.3751
Android (android.graphics.Color)	4285828725 (0xFF748E75)
YUV	131.3760, -7.0874, -13.4848
Hunter-Lab	49.3390, -13.6746, 9.9392

Details

The XYZ color **20.0863, 24.3434, 20.4697** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.2092, 20.1651, 27.9220**, and the grayscale version is **21.7349, 22.8668, 24.9020**.

A 20% lighter version of the original color is **43.0498, 50.6693, 45.0473**, and **7.2161, 9.2773, 7.0406** is the 20% darker color. If you saturate the color by 10%, you get **17.5960, 23.1464, 16.4639**, and if you desaturate by 10%, it is **22.9836, 25.7381, 25.1069**.

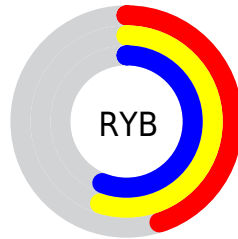
Distribution



Red (45%)

Green (56%)

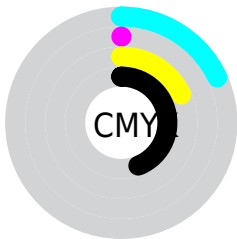
Blue (46%)



Red (45%)

Yellow (55%)

Blue (56%)

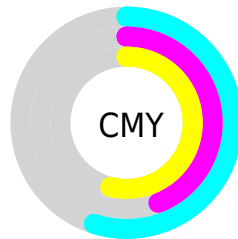


Cyan (18%)

Magenta (0%)

Yellow (18%)

Black (44%)



Cyan (55%)

Magenta (44%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0863, 24.3434, 20.4697 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 20.0863, 24.3434, 20.4697 by changing the saturation by 10% instead.

■ 20.0863, 24.3434,
20.4697

■ 20.0863, 24.3434,
20.4697

245.2066,
274.5520, 267.1345

■ 12.5664, 15.5886,
12.5495

■ 43.0647, 50.5900,
45.0726

■ 7.2056, 9.2335,
6.9920

■ 59.2539, 68.8505,
62.5923

■ 3.6385, 4.8938,
3.3787

■ 79.0635, 91.0484,
84.1489

■ 1.4997, 2.1851,
1.2911

■ 102.8590,
117.5681, 110.1609

■ 0.3256, 0.7118,
0.0545

131.0058,
148.7939, 141.0470

■ 0.0000, 0.0000,
0.0000

163.8690,

185.1102, 177.2256

201.8142,
226.9014, 219.1152

■ 20.0863, 24.3434,
20.4697

■ 20.0863, 24.3434,
20.4697

■ 17.5960, 23.1464,
16.4639

■ 22.9836, 25.7381,
25.1069

■ 15.4927, 22.1352,
13.0606

■ 26.3029, 27.3356,
30.3994

■ 13.7574, 21.3015,
10.2313

■ 30.0609, 29.1446,
36.3718

■ 12.3691, 20.6350,
7.9442

■ 34.2728, 31.1725,
43.0472

■ 11.3044, 20.1244,
6.1648

■ 38.9530, 33.4263,
50.4472

■ 10.5371, 19.7570,
4.8544

■ 44.1152, 35.9126,
58.5929

■ 10.0369, 19.5183,
3.9687

■ 49.7728, 38.6378,
67.5042

■ 9.7461, 19.3795,
3.4501

■ 55.9385, 41.6081,
77.2005

■ 9.7035, 19.3590,
3.3822

■ 62.6245, 44.8294,
87.7004

Harmonies

Analogous

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



21.5530, 24.3434, 17.5123



20.0863, 24.3434, 20.4697



19.4404, 24.3434, 25.4145

Triad

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



20.0863, 24.3434, 20.4697



22.7534, 24.3434, 39.3691



26.9085, 24.3434, 22.1259

Complementary

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



20.0863, 24.3434, 20.4697



22.2092, 20.1651, 27.9220

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.



27.2764, 24.3434, 27.6279



20.0863, 24.3434, 20.4697



24.7982, 24.3434, 38.1474

Square

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



20.0863, 24.3434, 20.4697



20.9209, 24.3434, 36.7540



26.4834, 24.3434, 33.6253



25.5057, 24.3434, 18.3652

Rectangle

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



20.0863, 24.3434, 20.4697



19.5330, 24.3434, 29.3989



26.4834, 24.3434, 33.6253



27.1606, 24.3434, 23.8090

Sweetspot

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



20.0870, 24.3444, 20.4702



42.3224, 46.2483, 47.1370



23.8337, 26.2827, 20.3400



9.3746, 10.2920, 10.4034



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.0870, 24.3444, 20.4702



33.5138, 42.0103, 33.0347



20.8964, 24.6682, 24.7330



5.3508, 6.0325, 5.8131



8.7134, 17.3812, 3.0451



0.0846, 0.1667, 0.0362

Inverse Universe

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



22.2092, 20.1651, 27.9220



37.9733, 33.2277, 48.6926



21.3065, 19.8040, 23.1683



5.6174, 5.5075, 6.7493



14.0416, 6.7736, 21.6679



0.1361, 0.0655, 0.2167

Previews

White Background



This preview shows how the XYZ color 20.0863, 24.3434, 20.4697 looks on a white background.

Color Contrast Check

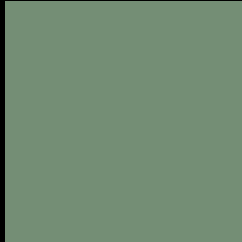
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0863, 24.3434, 20.4697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

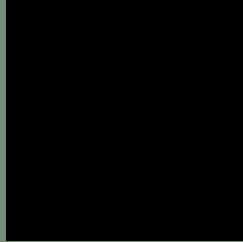
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0863, 24.3434, 20.4697

Background



This preview shows how black text looks on a background with the XYZ color 20.0863, 24.3434, 20.4697.



This preview shows how white text looks on a background with the XYZ color 20.0863, 24.3434,

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

20.0863, 24.3434, 20.4697

Protanopia

22.7999, 24.2710, 19.1059

Deuteranopia

24.6388, 24.1672, 20.8189



Tritanopia

22.3985, 24.4118, 31.9652

Trichromacy



Original Color

20.0863, 24.3434, 20.4697

Protanomaly

21.7986, 24.3784, 19.4762

Deuteranomaly

22.6103, 23.9336, 20.5675

Tritanomaly

21.3557, 24.1933, 27.2111

Monochromacy



Original Color

20.0863, 24.3434, 20.4697

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.0341, 23.2699, 23.1216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0863, 24.3434, 20.4697 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(116, 142, 117)` looks like.

```
.text, #text, p{  
    color:rgb(116, 142, 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(116, 142, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 142, 117) }
```

Border

The CSS property to change the border of an element to XYZ 20.0863, 24.3434, 20.4697 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(116, 142, 117) }
```


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

```
.border{ border-color:rgb(116, 142, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 142, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 142, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 142, 117);  
box-shadow:4px 4px 4px 4px rgb(116, 142,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0863, 24.3434, 20.4697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 142, 117) }
```

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

```
.background{ background-color: rgb(116,  
142, 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](#).

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