

Converting Colors

XYZ(24.4431, 30.7325, 20.4250)

Have a look what the booklet for
XYZ(24.4431, 30.7325, 20.4250)
contains.

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Color

**XYZ(24.4887, 30.6783,
20.5504)**

Conversions

Conversions Part 1

Format	Color
Hex	819F72
RGB	129, 159, 114
RGB Percent	51%, 62%, 45%
CMY	0.4941, 0.3765, 0.5529
CMYK	0.19, 0.00, 0.28, 0.38
HSL	100°, 19%, 54%
HSV	100°, 28%, 62%
XYZ	24.4887, 30.6783, 20.5504
YIQ	144.9000, -3.4350, -20.3550

Conversions

Conversions Part 2

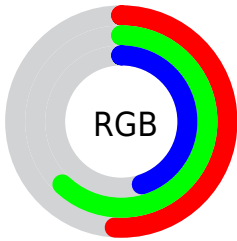
Format	Color
RYB	114, 159, 144
Decimal	8494962
CIELab	62.24, -19.06, 20.17
CIELCh	62, 27.748, 133.386
Yxy	30.6783, 0.3234, 0.4052
Android (android.graphics.Color)	4286685042 (0xFF819F72)
YUV	144.9000, -15.2337, -13.9443
Hunter-Lab	55.3880, -18.0088, 16.7735

Details

The XYZ color **24.4887, 30.6783, 20.5504** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.7781, 20.4680, 35.5000**, and the grayscale version is **26.9346, 28.3373, 30.8593**.

A 20% lighter version of the original color is **50.2209, 60.7914, 45.1634**, and **9.4655, 12.5710, 7.0818** is the 20% darker color. If you saturate the color by 10%, you get **22.1338, 29.5609, 16.1196**, and if you desaturate by 10%, it is **27.1696, 31.9475, 25.8191**.

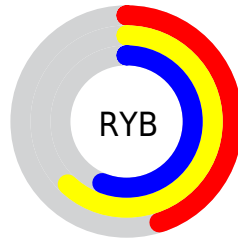
Distribution



Red (51%)

Green (62%)

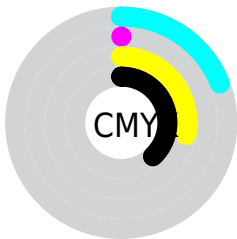
Blue (45%)



Red (45%)

Yellow (62%)

Blue (56%)

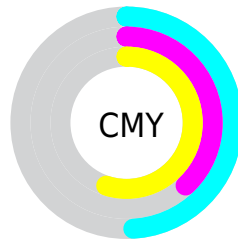


Cyan (19%)

Magenta (0%)

Yellow (28%)

Black (38%)



Cyan (49%)

Magenta (38%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4887, 30.6783, 20.5504 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 24.4887, 30.6783, 20.5504 by changing the saturation by 10% instead.

■ 24.4887, 30.6783,
20.5504

■ 24.4887, 30.6783,
20.5504

267.6768,
305.0535, 267.5815

■ 15.8232, 20.3540,
12.6077

■ 50.2754, 60.7332,
45.2091

■ 9.4892, 12.6526,
7.0315

■ 68.1274, 81.2327,
62.7622

■ 5.1213, 7.1898,
3.4030

■ 89.7722, 105.8926,
84.3559

■ 2.3541, 3.5811,
1.3039

■ 115.5752,
135.0974, 110.4086

■ 0.8221, 1.4421,
0.0650

145.9019,
169.2315, 141.3390

■ 0.0000, 0.2474,
0.0000

181.1174,

■ 0.0000, 0.0000,

208.6793, 177.5656

0.0000

221.5873,
253.8252, 219.5069

■ 24.4887, 30.6783,
20.5504

■ 24.4887, 30.6783,
20.5504

■ 22.1338, 29.5609,
16.1196

■ 27.1696, 31.9475,
25.8191

■ 20.0894, 28.5853,
12.4815

■ 30.1866, 33.3699,
31.9636

■ 18.3420, 27.7467,
9.5898

■ 33.5522, 34.9522,
39.0220

■ 16.8762, 27.0382,
7.3925

■ 37.2775, 36.6992,
47.0297

■ 15.6750, 26.4523,
5.8311

■ 41.3731, 38.6158,
56.0199

■ 14.7192, 25.9806,
4.8373

■ 45.8492, 40.7066,
66.0246

■ 13.9779, 25.6099,
4.2840

■ 50.7155, 42.9757,
77.0739

■ 13.8668, 25.5543,
4.2016

■ 55.9815, 45.4276,
89.1971

■ 61.3155, 47.9299,
100.6275

Harmonies

Analogous

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



27.5239, 30.6783, 17.0949



24.4887, 30.6783, 20.5504



22.7910, 30.6783, 27.8494

Triad

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



24.4887, 30.6783, 20.5504



27.1489, 30.6783, 57.3067



36.7366, 30.6783, 28.8547

Complementary

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



24.4887, 30.6783, 20.5504



23.7781, 20.4680, 35.5000

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.



36.6143, 30.6783, 39.6508



24.4887, 30.6783, 20.5504



30.8572, 30.6783, 57.7384

Square

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



24.4887, 30.6783, 20.5504



24.2344, 30.6783, 49.6587



34.3878, 30.6783, 50.7357



34.7088, 30.6783, 21.1500

Rectangle

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



24.4887, 30.6783, 20.5504



22.5476, 30.6783, 34.6359



34.3878, 30.6783, 50.7357



36.9504, 30.6783, 32.2006

Sweetspot

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



24.4895, 30.6796, 20.5511



54.1449, 59.8000, 57.4189



27.3098, 28.5336, 19.9882



12.0223, 13.3949, 12.5639



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.



24.4895, 30.6796, 20.5511



41.1142, 53.6405, 31.5998



22.8204, 29.7678, 22.7939



6.7487, 7.5031, 7.0782



10.9924, 20.2035, 3.3203



0.2389, 0.3831, 0.0614

Inverse Universe

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



23.7781, 20.4680, 35.5000



39.6197, 32.2673, 62.8835



25.9431, 21.6570, 32.3057



6.6892, 6.6437, 8.3365



9.6833, 4.4209, 26.2502



0.2161, 0.1012, 0.4714

Previews

White Background



This preview shows how the XYZ color 24.4887, 30.6783, 20.5504 looks on a white background.

Color Contrast Check

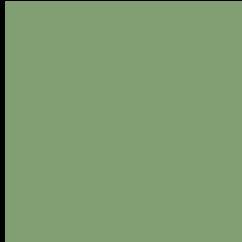
Large Text (above 18pt) WCAG AA × Fail

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 24.4887, 30.6783, 20.5504 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 ✓ Pass

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

XYZ 24.4887, 30.6783, 20.5504

Background



This preview shows how black text looks on a background with the XYZ color 24.4887, 30.6783, 20.5504.



This preview shows how white text looks on a background with the XYZ color 24.4887, 30.6783,

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

24.4887, 30.6783, 20.5504

Protanopia

28.4188, 30.5155, 19.1441

Deuteranopia

31.0886, 30.4610, 21.0706



Tritanopia

28.3363, 30.4915, 39.9893

Trichromacy



Original Color

24.4887, 30.6783, 20.5504

Protanomaly

26.6549, 30.3197, 19.4864

Deuteranomaly

28.1979, 30.1268, 20.8519

Tritanomaly

26.7412, 30.5863, 31.6885

Monochromacy



Original Color

24.4887, 30.6783, 20.5504

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.8569, 29.0229, 26.7934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4887, 30.6783, 20.5504 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(129, 159, 114)` looks like.

```
.text, #text, p{  
    color:rgb(129, 159, 114)  
}
```

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(129, 159, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 159, 114) }
```

Border

The CSS property to change the border of an element to XYZ 24.4887, 30.6783, 20.5504 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(129, 159, 114) }
```


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

```
.border{ border-color:rgb(129, 159, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 159, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 159, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 159, 114);  
box-shadow:4px 4px 4px 4px rgb(129, 159,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4887, 30.6783, 20.5504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 159, 114) }
```

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

```
.background{ background-color: rgb(129,  
159, 114) }
```

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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