

Converting Colors

XYZ(24.9156, 30.7686, 19.8419)

Have a look what the booklet for
XYZ(24.9156, 30.7686, 19.8419)
contains.

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Color

**XYZ(24.8244, 30.6101,
19.9292)**

Conversions

Conversions Part 1

Format	Color
Hex	859E70
RGB	133, 158, 112
RGB Percent	52%, 62%, 44%
CMY	0.4784, 0.3804, 0.5608
CMYK	0.16, 0.00, 0.29, 0.38
HSL	93°, 19%, 53%
HSV	93°, 29%, 62%
XYZ	24.8244, 30.6101, 19.9292
YIQ	145.2810, -0.1340, -19.6060

Conversions

Conversions Part 2

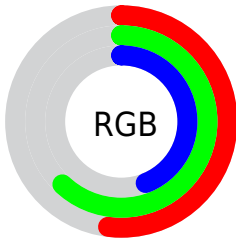
Format	Color
RYB	112, 158, 137
Decimal	8756848
CIELab	62.18, -17.36, 21.23
CIELCh	62, 27.428, 129.274
Yxy	30.6101, 0.3294, 0.4062
Android (android.graphics.Color)	4286946928 (0xFF859E70)
YUV	145.2810, -16.4075, -10.7704
Hunter-Lab	55.3264, -16.7300, 17.3715

Details

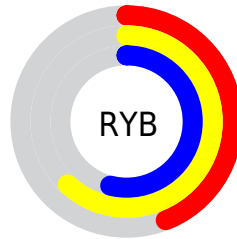
The XYZ color **24.8244, 30.6101, 19.9292** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.2834, 19.3762, 34.9149**, and the grayscale version is **27.0934, 28.5043, 31.0412**.

A 20% lighter version of the original color is **50.9886, 60.8336, 44.1766**, and **9.7504, 12.7246, 6.7927** is the 20% darker color. If you saturate the color by 10%, you get **22.7201, 29.6191, 15.6345**, and if you desaturate by 10%, it is **27.1956, 31.7227, 25.0435**.

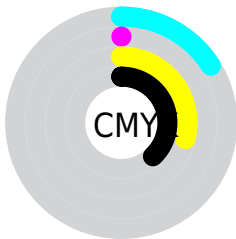
Distribution



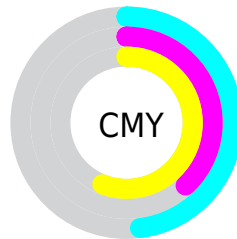
- Red (52%)
- Green (62%)
- Blue (44%)



- Red (44%)
- Yellow (62%)
- Blue (54%)



- Cyan (16%)
- Magenta (0%)
- Yellow (29%)
- Black (38%)



- Cyan (48%)
- Magenta (38%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8244, 30.6101, 19.9292 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 24.8244, 30.6101, 19.9292 by changing the saturation by 10% instead.

■ 24.8244, 30.6101,
19.9292

■ 24.8244, 30.6101,
19.9292

269.3261,
304.7380, 264.1231

■ 16.0743, 20.3021,
12.1600

■ 50.8172, 60.6257,
44.1559

■ 9.6679, 12.6149,
6.7289

■ 68.7905, 81.1021,
61.4504

■ 5.2399, 7.1639,
3.2173

■ 90.5690, 105.7368,
82.7572

■ 2.4249, 3.5648,
1.2066

■ 116.5180,
134.9141, 108.4947

■ 0.8575, 1.4332,
0.0000

147.0029,
169.0185, 139.0815

■ 0.0000, 0.2410,
0.0000

182.3890,

■ 0.0000, 0.0000,

208.4344, 174.9362

0.0000

223.0416,
253.5461, 216.4772

■ 24.8244, 30.6101,
19.9292

■ 24.8244, 30.6101,
19.9292

■ 22.7201, 29.6191,
15.6345

■ 27.1956, 31.7227,
25.0435

■ 20.8696, 28.7411,
12.1150

■ 29.8413, 32.9572,
31.0150

■ 19.2621, 27.9725,
9.3246

■ 32.7718, 34.3189,
37.8813

■ 17.8851, 27.3080,
7.2120

■ 35.9960, 35.8119,
45.6772

■ 16.7245, 26.7415,
5.7190

■ 39.5226, 37.4397,
54.4357

■ 15.7644, 26.2664,
4.7776

■ 43.3596, 39.2059,
64.1879

■ 14.9742, 25.8701,
4.2444

■ 47.5150, 41.1138,
74.9639

■ 14.9094, 25.8375,
4.2013

■ 51.9962, 43.1668,
86.7923

■ 56.8107, 45.3681,
99.7006

Harmonies

Analogous

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



27.9640, 30.6101, 17.0114



24.8244, 30.6101, 19.9292



22.9423, 30.6101, 26.6346

Triad

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



24.8244, 30.6101, 19.9292



26.6514, 30.6101, 56.2107



36.6839, 30.6101, 30.1566

Complementary

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



24.8244, 30.6101, 19.9292



22.2834, 19.3762, 34.9149

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.



36.2574, 30.6101, 41.0609



24.8244, 30.6101, 19.9292



30.2540, 30.6101, 57.7127

Square

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



24.8244, 30.6101, 19.9292



23.9335, 30.6101, 47.9396



33.8270, 30.6101, 51.6916



34.9476, 30.6101, 22.0371

Rectangle

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



24.8244, 30.6101, 19.9292



22.5526, 30.6101, 33.0720



33.8270, 30.6101, 51.6916



36.7918, 30.6101, 33.5877

Sweetspot

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



24.8252, 30.6114, 19.9299



54.1580, 59.8328, 56.2491



25.9058, 26.1990, 19.0212



12.0532, 13.4163, 12.3218



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.



24.8252, 30.6114, 19.9299



42.5160, 54.3800, 30.9041



21.9206, 29.1041, 20.2435



6.8240, 7.5419, 7.0817



11.9848, 20.7151, 3.3668



0.2625, 0.3953, 0.0625

Inverse Universe

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



22.2834, 19.3762, 34.9149



37.1236, 30.5515, 62.6838



25.9362, 21.2744, 34.4010



6.6119, 6.6039, 8.3329



8.0531, 3.5805, 26.1739



0.1925, 0.0890, 0.4703

Previews

White Background



This preview shows how the XYZ color 24.8244, 30.6101, 19.9292 looks on a white background.

Color Contrast Check

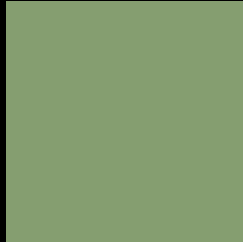
Large Text (above 18pt) WCAG AA × Fail

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 24.8244, 30.6101, 19.9292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

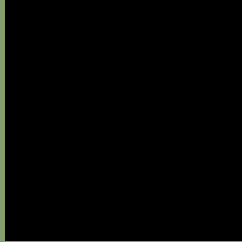
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.8244, 30.6101, 19.9292

Background



This preview shows how black text looks on a background with the XYZ color 24.8244, 30.6101, 19.9292.



This preview shows how white text looks on a background with the XYZ color 24.8244, 30.6101,

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

24.8244, 30.6101, 19.9292

Protanopia

28.3111, 30.4725, 18.5770

Deuteranopia

30.9723, 30.4144, 20.4578



Tritanopia

28.6620, 30.4403, 39.0152

Trichromacy



Original Color

24.8244, 30.6101, 19.9292

Protanomaly

26.9140, 30.4659, 18.9300

Deuteranomaly

28.2819, 30.1834, 20.2549

Tritanomaly

27.0709, 30.5281, 30.8513

Monochromacy



Original Color

24.8244, 30.6101, 19.9292

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.1245, 29.1689, 26.4435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8244, 30.6101, 19.9292 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(133, 158, 112)` looks like.

```
.text, #text, p{  
    color:rgb(133, 158, 112)  
}
```

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(133, 158, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 158, 112) }
```

Border

The CSS property to change the border of an element to XYZ 24.8244, 30.6101, 19.9292 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(133, 158, 112) }
```


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

```
.border{ border-color:rgb(133, 158, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 158, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 158, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 158, 112);  
box-shadow:4px 4px 4px 4px rgb(133, 158,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8244, 30.6101, 19.9292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 158, 112) }
```

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

```
.background{ background-color: rgb(133,  
158, 112) }
```

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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