

Converting Colors

XYZ(24.4684, 31.2874, 18.3880)

Have a look what the booklet for
XYZ(24.4684, 31.2874, 18.3880)
contains.

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Color

**XYZ(24.3996, 31.1975,
18.3714)**

Conversions

Conversions Part 1

Format	Color
Hex	81A16A
RGB	129, 161, 106
RGB Percent	51%, 63%, 42%
CMY	0.4941, 0.3686, 0.5843
CMYK	0.20, 0.00, 0.34, 0.37
HSL	95°, 23%, 52%
HSV	95°, 34%, 63%
XYZ	24.3996, 31.1975, 18.3714
YIQ	145.1620, -1.4170, -23.8890

Conversions

Conversions Part 2

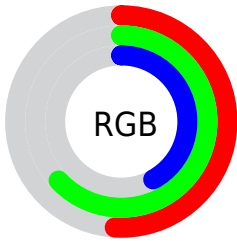
Format	Color
RYB	106, 161, 138
Decimal	8495466
CIELab	62.67, -21.34, 25.13
CIELCh	63, 32.967, 130.336
Yxy	31.1975, 0.3299, 0.4218
Android (android.graphics.Color)	4286685546 (0xFF81A16A)
YUV	145.1620, -19.3069, -14.1741
Hunter-Lab	55.8547, -19.7698, 19.5970

Details

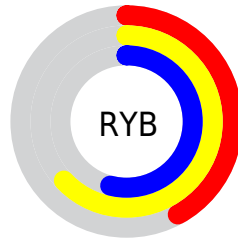
The XYZ color **24.3996, 31.1975, 18.3714** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.0698, 18.2855, 36.0863**, and the grayscale version is **27.0567, 28.4657, 30.9992**.

A 20% lighter version of the original color is **50.2559, 61.6476, 41.5982**, and **9.4568, 12.9050, 5.9955** is the 20% darker color. If you saturate the color by 10%, you get **22.2815, 30.1944, 14.3046**, and if you desaturate by 10%, it is **26.8070, 32.3335, 23.2736**.

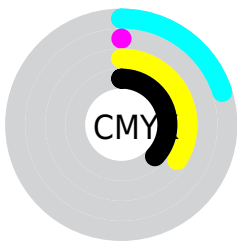
Distribution



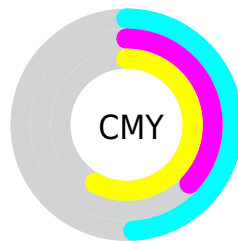
- Red (51%)
- Green (63%)
- Blue (42%)



- Red (42%)
- Yellow (63%)
- Blue (54%)



- Cyan (20%)
- Magenta (0%)
- Yellow (34%)
- Black (37%)



- Cyan (49%)
- Magenta (37%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3996, 31.1975, 18.3714 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 24.3996, 31.1975, 18.3714 by changing the saturation by 10% instead.

■ 24.3996, 31.1975,
18.3714

■ 24.3996, 31.1975,
18.3714

267.2377,
307.4472, 255.2622

■ 15.7566, 20.7493,
11.0448

■ 50.1315, 61.5509,
41.4916

■ 9.4419, 12.9409,
5.9824

■ 67.9511, 82.2248,
58.1223

■ 5.0899, 7.3878,
2.7658

■ 89.5603, 107.0762,
78.6914

■ 2.3354, 3.7058,
0.9763

■ 115.3244,
136.4893, 103.6175

■ 0.8127, 1.5104,
0.0000

145.6089,
170.8485, 133.3190

■ 0.0000, 0.2960,
0.0000

180.7790,

■ 0.0000, 0.0000,

210.5383, 168.2147

0.0000

221.2002,
255.9431, 208.7229

■ 24.3996, 31.1975,
18.3714

■ 24.3996, 31.1975,
18.3714

■ 22.2815, 30.1944,
14.3046

■ 26.8070, 32.3335,
23.2736

■ 20.4381, 29.3147,
11.0246

■ 29.5128, 33.6033,
29.0523

■ 18.8567, 28.5542,
8.4808


■ 32.5286, 35.0129,
35.7480


■ 17.5228, 27.9064,
6.6161


■ 35.8647, 36.5669,
43.3984


■ 16.4199, 27.3644,
5.3647


■ 39.5308, 38.2694,
52.0388


 15.5288, 26.9200,
4.6475

 43.5361, 40.1244,
61.7030

 15.0823, 26.6958,
4.3579

 47.8896, 42.1360,
72.4230

 52.5999, 44.3078,
84.2294

 57.6751, 46.6434,
97.1517

Harmonies

Analogous

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



28.1276, 31.1975, 14.9650



24.3996, 31.1975, 18.3714



22.2315, 31.1975, 26.2977

Triad

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



24.3996, 31.1975, 18.3714



26.8364, 31.1975, 63.0362



38.9994, 31.1975, 29.7160

Complementary

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



24.3996, 31.1975, 18.3714



22.0698, 18.2855, 36.0863

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.



38.5641, 31.1975, 43.0030



24.3996, 31.1975, 18.3714



31.2311, 31.1975, 64.6235

Square

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



24.3996, 31.1975, 18.3714



23.5368, 31.1975, 52.6537



35.6094, 31.1975, 56.5610



36.7448, 31.1975, 20.3275

Rectangle

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



24.3996, 31.1975, 18.3714



21.8180, 31.1975, 34.1143



35.6094, 31.1975, 56.5610



39.1679, 31.1975, 33.8237

Sweetspot

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



24.4004, 31.1989, 18.3721



54.9311, 61.1503, 56.5924



26.2701, 26.5577, 17.3777



11.8942, 13.3396, 12.0740



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.



24.4004, 31.1989, 18.3721



40.7642, 54.4824, 27.2279



21.4861, 29.6740, 19.2526



7.2531, 8.0330, 7.5483



12.0896, 21.3429, 3.4824



0.3073, 0.4759, 0.0757

Inverse Universe

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



22.0698, 18.2855, 36.0863



35.9395, 27.7792, 63.8542



25.9676, 20.3317, 34.6052



7.0767, 7.0539, 8.8916



8.8457, 3.9666, 27.2292



0.2380, 0.1102, 0.5746

Previews

White Background



This preview shows how the XYZ color 24.3996, 31.1975, 18.3714 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 24.3996, 31.1975, 18.3714 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 24.3996, 31.1975, 18.3714

Background



This preview shows how black text looks on a background with the XYZ color 24.3996, 31.1975, 18.3714.



This preview shows how white text looks on a background with the XYZ color 24.3996, 31.1975,

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

24.3996, 31.1975, 18.3714

Protanopia

28.7747, 30.9850, 17.0345

Deuteranopia

31.5303, 30.9603, 19.0660



Tritanopia

28.9198, 31.2676, 40.5874

Trichromacy



Original Color

24.3996, 31.1975, 18.3714

Protanomaly

26.9320, 31.0013, 17.3963

Deuteranomaly

28.5249, 30.8144, 18.9124

Tritanomaly

27.0827, 31.2785, 30.9955

Monochromacy



Original Color

24.3996, 31.1975, 18.3714

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.8108, 29.2609, 25.7603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3996, 31.1975, 18.3714 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, 161, 106)` looks like.

```
.text, #text, p{  
    color:rgb(129, 161, 106)  
}
```

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, 161, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 161, 106) }
```

Border

The CSS property to change the border of an element to XYZ 24.3996, 31.1975, 18.3714 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, 161, 106) }
```


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

```
.border{ border-color:rgb(129, 161, 106) }
```

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

Here you see how a box with a 4 pixel rgb(129, 161, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 161, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 161, 106);  
box-shadow:4px 4px 4px 4px rgb(129, 161,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3996, 31.1975, 18.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 161, 106) }
```

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

```
.background{ background-color: rgb(129,  
161, 106) }
```

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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