

Converting Colors

XYZ(24.8569, 31.2526, 20.9434)

Have a look what the booklet for
XYZ(24.8569, 31.2526, 20.9434)
contains.

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Color

**XYZ(24.8926, 31.3947,
20.9675)**

Conversions

Conversions Part 1

Format	Color
Hex	81A173
RGB	129, 161, 115
RGB Percent	51%, 63%, 45%
CMY	0.4941, 0.3686, 0.5490
CMYK	0.20, 0.00, 0.29, 0.37
HSL	102°, 20%, 54%
HSV	102°, 29%, 63%
XYZ	24.8926, 31.3947, 20.9675
YIQ	146.1880, -4.3060, -21.0900

Conversions

Conversions Part 2

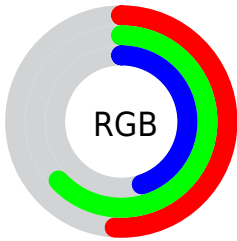
Format	Color
RYB	115, 161, 147
Decimal	8495475
CIELab	62.84, -19.93, 20.44
CIELCh	63, 28.542, 134.275
Yxy	31.3947, 0.3222, 0.4064
Android (android.graphics.Color)	4286685555 (0xFF81A173)
YUV	146.1880, -15.3757, -15.0739
Hunter-Lab	56.0310, -18.7529, 17.0346

Details

The XYZ color **24.8926, 31.3947, 20.9675** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.5979, 21.0387, 36.4844**, and the grayscale version is **27.4618, 28.8919, 31.4633**.

A 20% lighter version of the original color is **50.8223, 61.8468, 45.8182**, and **9.6765, 12.9929, 7.1521** is the 20% darker color. If you saturate the color by 10%, you get **22.4369, 30.2275, 16.4316**, and if you desaturate by 10%, it is **27.6983, 32.7255, 26.3658**.

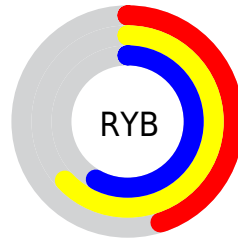
Distribution



Red (51%)

Green (63%)

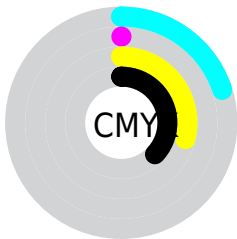
Blue (45%)



Red (45%)

Yellow (63%)

Blue (58%)

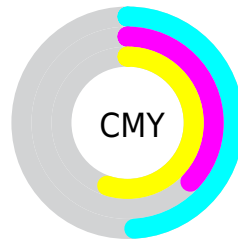


Cyan (20%)

Magenta (0%)

Yellow (29%)

Black (37%)



Cyan (49%)

Magenta (37%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8926, 31.3947, 20.9675 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 24.8926, 31.3947, 20.9675 by changing the saturation by 10% instead.

■ 24.8926, 31.3947,
20.9675

■ 24.8926, 31.3947,
20.9675

269.6602,
308.3526, 269.8811

■ 16.1254, 20.8996,
12.9092

■ 50.9271, 61.8610,
45.9135

■ 9.7043, 13.0506,
7.2361

■ 68.9250, 82.6009,
63.6384

■ 5.2641, 7.4634,
3.5295

■ 90.7306, 107.5245,
85.4225

■ 2.4394, 3.7536,
1.3710

116.7092,
137.0163, 111.6844

■ 0.8648, 1.5367,
0.1189

147.2260,
171.4606, 142.8427

■ 0.0000, 0.3143,
0.0000

182.6466,

■ 0.0000, 0.0000,

211.2418, 179.3159

0.0000

223.3362,
256.7444, 221.5225

■ 24.8926, 31.3947,
20.9675

■ 24.8926, 31.3947,
20.9675

■ 22.4369, 30.2275,
16.4316

■ 27.6983, 32.7255,
26.3658

■ 20.3144, 29.2135,
12.7115

■ 30.8652, 34.2219,
32.6658

■ 18.5103, 28.3469,
9.7591

■ 34.4067, 35.8910,
39.9070

■ 17.0080, 27.6204,
7.5208

■ 38.3351, 37.7383,
48.1257

■ 15.7888, 27.0257,
5.9358

■ 42.6618, 39.7690,
57.3565

■ 14.8317, 26.5535,
4.9332

■ 47.3980, 41.9881,
67.6321

■ 14.1029, 26.1894,
4.3778

■ 52.5543, 44.4003,
78.9840

■ 14.0118, 26.1439,
4.3078

■ 58.1408, 47.0103,
91.4421

■ 63.3676, 49.5026,
100.8229

Harmonies

Analogous

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



28.0239, 31.3947, 17.2736



24.8926, 31.3947, 20.9675



23.1717, 31.3947, 28.6733

Triad

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



24.8926, 31.3947, 20.9675



27.8480, 31.3947, 59.3824



37.7356, 31.3947, 29.1441

Complementary

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



24.8926, 31.3947, 20.9675



24.5979, 21.0387, 36.4844

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.



37.6780, 31.3947, 40.3579



24.8926, 31.3947, 20.9675



31.7323, 31.3947, 59.5865

Square

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



24.8926, 31.3947, 20.9675



24.7735, 31.3947, 51.5270



35.4024, 31.3947, 52.0354



35.5534, 31.3947, 21.2470

Rectangle

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



24.8926, 31.3947, 20.9675



22.9523, 31.3947, 35.8138



35.4024, 31.3947, 52.0354



37.9831, 31.3947, 32.6034

Sweetspot

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



24.8934, 31.3961, 20.9682



54.9169, 61.1168, 57.7787



28.1396, 29.5079, 20.4326



11.8657, 13.3196, 12.3130



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.



24.8934, 31.3961, 20.9682



41.8382, 54.9217, 32.4429



23.4185, 30.5770, 23.5498



7.1788, 7.9947, 7.5449



11.2276, 20.8985, 3.4421



0.2819, 0.4628, 0.0745

Inverse Universe

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



24.5979, 21.0387, 36.4844



41.2181, 33.4108, 64.6630



26.5440, 22.1250, 32.8227



7.1536, 7.0935, 8.8952



10.5182, 4.8288, 27.3075



0.2655, 0.1244, 0.5759

Previews

White Background



This preview shows how the XYZ color 24.8926, 31.3947, 20.9675 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 24.8926, 31.3947, 20.9675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

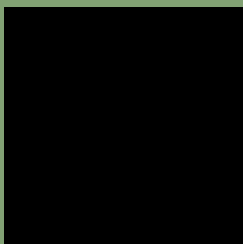
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

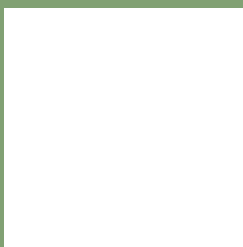
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8926, 31.3947, 20.9675

Background



This preview shows how black text looks on a background with the XYZ color 24.8926, 31.3947, 20.9675.



This preview shows how white text looks on a background with the XYZ color 24.8926, 31.3947,

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

24.8926, 31.3947, 20.9675

Protanopia

29.0401, 31.0674, 19.5050

Deuteranopia

31.6804, 31.2129, 21.4945



Tritanopia

28.8472, 31.2196, 41.0648

Trichromacy



Original Color

24.8926, 31.3947, 20.9675

Protanomaly

27.4085, 31.1919, 19.9053

Deuteranomaly

28.7747, 30.8912, 21.2756

Tritanomaly

27.2338, 31.3204, 32.6270

Monochromacy



Original Color

24.8926, 31.3947, 20.9675

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.2550, 29.4579, 27.2238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8926, 31.3947, 20.9675 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(129, 161, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 161, 115) }
```

Border

The CSS property to change the border of an element to XYZ 24.8926, 31.3947, 20.9675 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, 115) }
```


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

```
.border{ border-color:rgb(129, 161, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 161, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 161, 115);  
box-shadow:4px 4px 4px 4px rgb(129, 161,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8926, 31.3947, 20.9675 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, 115) }
```

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

```
.background{ background-color: rgb(129,  
161, 115) }
```

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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