

Converting Colors

XYZ(24.2676, 31.7804, 14.6103)

Have a look what the booklet for
XYZ(24.2676, 31.7804, 14.6103)
contains.

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Color

**XYZ(24.1486, 31.6784,
14.5146)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 82A35A |
| RGB | 130, 163, 90 |
| RGB Percent | 51%, 64%, 35% |
| CMY | 0.4902, 0.3608, 0.6471 |
| CMYK | 0.20, 0.00, 0.45, 0.36 |
| HSL | 87°, 29%, 50% |
| HSV | 87°, 45%, 64% |
| XYZ | 24.1486, 31.6784, 14.5146 |
| YIQ | 144.8110, 3.7650, -29.6990 |

Conversions

Conversions Part 2

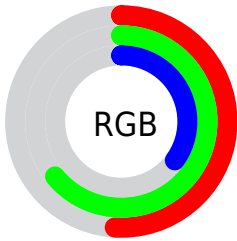
| Format | Color |
|-------------------------------------|--|
| RYB | 90, 163, 123 |
| Decimal | 8561498 |
| CIELab | 63.08, -24.17, 34.17 |
| CIELCh | 63, 41.852, 125.267 |
| Yxy | 31.6784, 0.3433, 0.4504 |
| Android (android.graphics.Color) | 4286751578 (0xFF82A35A) |
| YUV | 144.8110, -27.0218, -12.9892 |
| Hunter-Lab | 56.2836, -21.9104, 24.1086 |

Details

The XYZ color **24.1486, 31.6784, 14.5146** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.4366, 14.1685, 36.4152**, and the grayscale version is **26.9428, 28.3459, 30.8687**.

A 20% lighter version of the original color is **49.6463, 62.2562, 34.5993**, and **9.3268, 13.1983, 4.2464** is the 20% darker color. If you saturate the color by 10%, you get **22.4396, 30.8699, 11.2018**, and if you desaturate by 10%, it is **26.0924, 32.5923, 18.6340**.

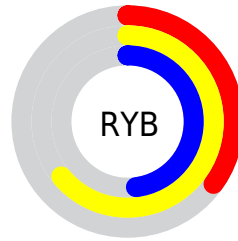
Distribution



Red (51%)

Green (64%)

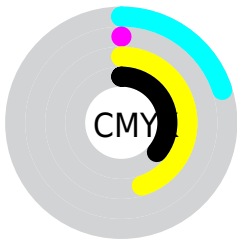
Blue (35%)



Red (35%)

Yellow (64%)

Blue (48%)

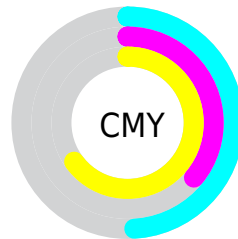


Cyan (20%)

Magenta (0%)

Yellow (45%)

Black (36%)



Cyan (49%)

Magenta (36%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1486, 31.6784, 14.5146 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 24.1486, 31.6784, 14.5146 by changing the saturation by 10% instead.

■ 24.1486, 31.6784,
14.5146

■ 24.1486, 31.6784,
14.5146

265.9974,
309.6516, 231.9478

■ 15.5692, 21.1160,
8.3366

■ 49.7255, 62.3066,
34.7295

■ 9.3088, 13.2088,
4.2202

■ 67.4537, 83.1411,
49.6036

■ 5.0018, 7.5725,
1.7469

■ 88.9623, 108.1685,
68.2134

■ 2.2831, 3.8226,
0.3926

■ 114.6165,
137.7731, 90.9775

■ 0.7860, 1.5748,
0.0000

144.7818,
172.3393, 118.3144

■ 0.0000, 0.3406,
0.0000

179.8235,

■ 0.0000, 0.0000,

212.2516, 150.6428

0.0000

220.1069,
257.8942, 188.3810

■ 24.1486, 31.6784,
14.5146

■ 24.1486, 31.6784,
14.5146

■ 22.4396, 30.8699,
11.2018

■ 26.0924, 32.5923,
18.6340

■ 20.9512, 30.1578,
8.6404

■ 28.2793, 33.6119,
23.6060

■ 19.6712, 29.5379,
6.7717


■ 30.7201, 34.7428,
29.4759


■ 18.5848, 29.0043,
5.5273


■ 33.4243, 35.9889,
36.2849

■ 17.6743, 28.5496,
4.8232


■ 36.4006, 37.3540,
44.0718

 17.2476, 28.3350,
4.5602

 39.6575, 38.8416,
52.8733

 43.2030, 40.4550,
62.7240

 47.0447, 42.1975,
73.6570

 51.1901, 44.0721,
85.7039

Harmonies

Analogous

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



29.1026, 31.6784, 11.5453



24.1486, 31.6784, 14.5146



21.1172, 31.6784, 22.8363

Triad

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



24.1486, 31.6784, 14.5146



25.7032, 31.6784, 72.1352



42.5594, 31.6784, 31.6577

Complementary

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



24.1486, 31.6784, 14.5146



18.4366, 14.1685, 36.4152

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.



41.3486, 31.6784, 49.5622



24.1486, 31.6784, 14.5146



31.1391, 31.6784, 76.7771

Square

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



24.1486, 31.6784, 14.5146



21.9312, 31.6784, 56.2761



36.9782, 31.6784, 67.4705



40.1033, 31.6784, 19.2103

Rectangle

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



24.1486, 31.6784, 14.5146



20.3533, 31.6784, 31.9374



36.9782, 31.6784, 67.4705



42.5707, 31.6784, 37.1801

Sweetspot

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



24.1494, 31.6798, 14.5153



55.7312, 62.5495, 54.5578



24.0153, 22.6545, 12.7803



12.2963, 13.9464, 11.7087



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.1494, 31.6798, 14.5153



40.1238, 55.2535, 19.9475



19.5239, 29.2953, 14.2988



7.3391, 8.0773, 7.5523



13.4568, 22.0477, 3.5464



0.3363, 0.4909, 0.0770

Inverse Universe

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



18.4366, 14.1685, 36.4152



28.5472, 19.7440, 64.3625



24.6358, 17.3643, 36.7053



6.9904, 7.0094, 8.8876



7.3652, 3.2034, 27.1599



0.2090, 0.0953, 0.5732

Previews

White Background



This preview shows how the XYZ color 24.1486, 31.6784, 14.5146 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 24.1486, 31.6784, 14.5146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

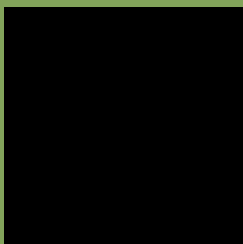
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

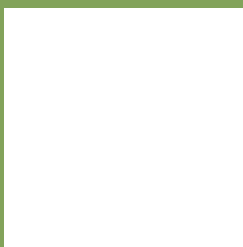
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1486, 31.6784, 14.5146

Background



This preview shows how black text looks on a background with the XYZ color 24.1486, 31.6784, 14.5146.



This preview shows how white text looks on a background with the XYZ color 24.1486, 31.6784,

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

24.1486, 31.6784, 14.5146

Protanopia

28.8443, 31.3438, 13.3338

Deuteranopia

31.9129, 31.2493, 14.9394



Tritanopia

29.4230, 31.5271, 40.6110

Trichromacy



Original Color

24.1486, 31.6784, 14.5146

Protanomaly

26.9352, 31.3351, 13.6455

Deuteranomaly

28.5139, 31.1393, 14.8636

Tritanomaly

26.9609, 31.2673, 28.6590

Monochromacy



Original Color

24.1486, 31.6784, 14.5146

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.7451, 29.5126, 23.7416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1486, 31.6784, 14.5146 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(130, 163, 90)` looks like.

```
.text, #text, p{  
    color:rgb(130, 163, 90)  
}
```

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(130, 163, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 163, 90) }
```

Border

The CSS property to change the border of an element to XYZ 24.1486, 31.6784, 14.5146 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(130, 163, 90) }
```


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

```
.border{ border-color:rgb(130, 163, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 163, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 163, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 163, 90);  
box-shadow:4px 4px 4px 4px rgb(130, 163,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1486, 31.6784, 14.5146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 163, 90) }
```

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

```
.background{ background-color: rgb(130,  
163, 90) }
```

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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