

Converting Colors

XYZ(24.6863, 31.2574, 49.1245)

Have a look what the booklet for
XYZ(24.6863, 31.2574, 49.1245)
contains.

XYZ(24.6013, 31.1496, 48.9718)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.6013, 31.1496,
48.9718)**

Conversions

Conversions Part 1

Format	Color
Hex	4DA3B6
RGB	77, 163, 182
RGB Percent	30%, 64%, 71%
CMY	0.6980, 0.3608, 0.2863
CMYK	0.58, 0.10, 0.00, 0.29
HSL	191°, 42%, 51%
HSV	191°, 58%, 71%
XYZ	24.6013, 31.1496, 48.9718
YIQ	139.4520, -57.3550, -12.3230

Conversions

Conversions Part 2

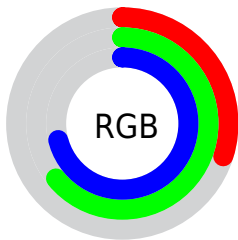
Format	Color
RYB	77, 124, 182
Decimal	5088182
CIELab	62.63, -20.29, -17.66
CIElCh	63, 26.900, 221.033
Yxy	31.1496, 0.2349, 0.2974
Android (android.graphics.Color)	4283278262 (0xFF4DA3B6)
YUV	139.4520, 20.9762, -54.7704
Hunter-Lab	55.8118, -18.9897, -12.9554

Details

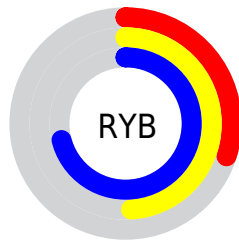
The XYZ color **24.6013, 31.1496, 48.9718** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.8146, 18.8476, 9.3523**, and the grayscale version is **24.6533, 25.9372, 28.2456**.

A 20% lighter version of the original color is **50.4957, 61.4668, 90.0918**, and **9.6469, 12.9539, 22.7608** is the 20% darker color. If you saturate the color by 10%, you get **22.7562, 29.3423, 48.7208**, and if you desaturate by 10%, it is **26.8744, 33.2015, 49.2486**.

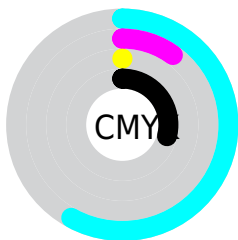
Distribution



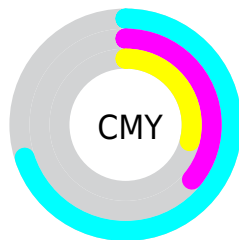
- Red (30%)
- Green (64%)
- Blue (71%)



- Red (30%)
- Yellow (49%)
- Blue (71%)



- Cyan (58%)
- Magenta (10%)
- Yellow (0%)
- Black (29%)



- Cyan (70%)
- Magenta (36%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6013, 31.1496, 48.9718 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 24.6013, 31.1496, 48.9718 by changing the saturation by 10% instead.

■ 24.6013, 31.1496,
48.9718

■ 24.6013, 31.1496,
48.9718

268.2309,
307.2269, 399.2506

■ 15.9074, 20.7128,
34.2317

■ 50.4572, 61.4755,
90.0301

■ 9.5491, 12.9142,
22.7928

■ 68.3500, 82.1334,
117.1854

■ 5.1610, 7.3695,
14.2367

■ 90.0398, 106.9672,
149.3161

■ 2.3778, 3.6942,
8.1449

■ 115.8919,
136.3611, 186.8409

■ 0.8340, 1.5040,
4.0987

■ 146.2717,
170.6997, 230.1781

■ 0.0000, 0.2916,
1.6796

181.5446,

■ 0.0000, 0.0000,

210.3672, 279.7465

0.3467

222.0759,
255.7482, 335.9644

■ 0.0000, 0.0000,
0.0000

■ 24.6013, 31.1496,
48.9718

■ 24.6013, 31.1496,
48.9718

■ 22.7562, 29.3423,
48.7208

■ 26.8744, 33.2015,
49.2486

■ 21.3008, 27.7576,
48.4916

■ 29.6038, 35.5107,
49.5505

■ 20.1948, 26.3754,
48.2831

■ 32.8188, 38.0933,
49.8795

■ 19.3754, 25.1630,
48.0923

■ 36.5454, 40.9626,
50.2370

■ 19.2019, 24.8941,
48.0495

■ 40.8076, 44.1314,
50.6239

■ 45.6279, 47.6113,
51.0416

■ 51.0275, 51.4134,
51.4909

■ 57.0266, 55.5482,
51.9728

■ 63.6441, 60.0259,
52.4883

Harmonies

Analogous

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



23.2128, 31.1496, 37.9289



24.6013, 31.1496, 48.9718



27.3742, 31.1496, 56.8158

Triad

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



24.6013, 31.1496, 48.9718



36.7862, 31.1496, 40.9105



28.2780, 31.1496, 17.7097

Complementary

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



24.6013, 31.1496, 48.9718



24.8146, 18.8476, 9.3523

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.



31.9575, 31.1496, 18.1826



24.6013, 31.1496, 48.9718



37.0787, 31.1496, 30.1977

Square

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



24.6013, 31.1496, 48.9718



34.4799, 31.1496, 51.5384



35.2489, 31.1496, 22.3143



25.2159, 31.1496, 20.8534

Rectangle

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



24.6013, 31.1496, 48.9718



29.7341, 31.1496, 58.3711



35.2489, 31.1496, 22.3143



29.4798, 31.1496, 17.4709

Sweetspot

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



24.6023, 31.1508, 48.9725



66.5471, 74.4842, 91.1052



21.8323, 35.8516, 16.4782



14.3817, 16.2115, 20.0927



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.6023, 31.1508, 48.9725



40.5391, 52.4483, 88.2226



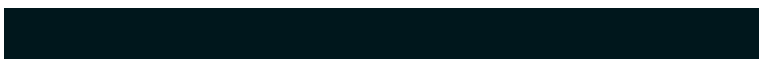
17.2993, 16.5447, 46.5382



9.1248, 9.9268, 11.5146



13.6044, 17.6684, 33.9464



0.5161, 0.6959, 1.2089

Inverse Universe

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



28.5570, 17.8982, 36.6011



48.7206, 27.3951, 62.0990



31.0655, 31.3493, 11.4359



9.3093, 9.1341, 10.9763



17.4805, 8.5660, 20.9490



0.6347, 0.3093, 0.8355

Previews

White Background



This preview shows how the XYZ color 24.6013, 31.1496, 48.9718 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 24.6013, 31.1496, 48.9718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

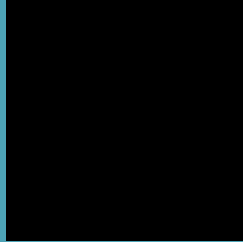
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.6013, 31.1496, 48.9718

Background



This preview shows how black text looks on a background with the XYZ color 24.6013, 31.1496, 48.9718.



This preview shows how white text looks on a background with the XYZ color 24.6013, 31.1496,

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

24.6013, 31.1496, 48.9718

Protanopia

30.3229, 30.7151, 43.8656

Deuteranopia

31.4034, 30.6661, 50.1630



Tritanopia

24.1129, 31.2211, 46.3504

Trichromacy



Original Color

24.6013, 31.1496, 48.9718

Protanomaly

27.4181, 30.3834, 45.4938

Deuteranomaly

28.0690, 30.3807, 49.7321

Tritanomaly

24.3926, 31.3421, 47.4118

Monochromacy



Original Color

24.6013, 31.1496, 48.9718

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.7088, 27.2594, 35.0223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6013, 31.1496, 48.9718 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(77, 163, 182)` looks like.

```
.text, #text, p{  
    color:rgb(77, 163, 182)  
}
```

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(77, 163, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 163, 182) }
```

Border

The CSS property to change the border of an element to XYZ 24.6013, 31.1496, 48.9718 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(77, 163, 182) }
```


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

```
.border{ border-color:rgb(77, 163, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 163, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 163, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 163, 182);  
box-shadow:4px 4px 4px 4px rgb(77, 163,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6013, 31.1496, 48.9718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 163, 182) }
```

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

```
.background{ background-color: rgb(77, 163,  
182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor