

Converting Colors

XYZ(24.0159, 29.2481, 16.4993)

Have a look what the booklet for
XYZ(24.0159, 29.2481, 16.4993)
contains.

XYZ(24.0092, 29.2655, 16.4400)	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(24.0092, 29.2655,
16.4400)**

Conversions

Conversions Part 1

Format	Color
Hex	889A64
RGB	136, 154, 100
RGB Percent	53%, 60%, 39%
CMY	0.4667, 0.3961, 0.6078
CMYK	0.12, 0.00, 0.35, 0.40
HSL	80°, 21%, 50%
HSV	80°, 35%, 60%
XYZ	24.0092, 29.2655, 16.4400
YIQ	142.4620, 6.6060, -20.6100

Conversions

Conversions Part 2

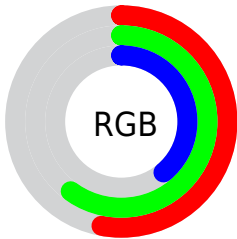
Format	Color
R_{YB}	100, 154, 118
Decimal	8952420
CIE Lab	61.02, -15.89, 26.29
CIE LCh	61, 30.717, 121.157
Yxy	29.2655, 0.3444, 0.4198
Android (android.graphics.Color)	4287142500 (0xFF889A64)
YUV	142.4620, -20.9338, -5.6672
Hunter-Lab	54.0976, -15.4502, 19.8504

Details

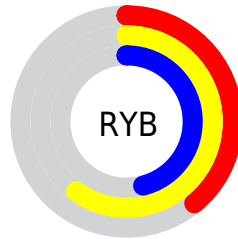
The XYZ color **24.0092, 29.2655, 16.4400** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.8622, 15.2998, 32.5851**, and the grayscale version is **25.9736, 27.3262, 29.7583**.

A 20% lighter version of the original color is **49.3770, 58.2933, 37.9274**, and **9.2164, 11.8797, 5.0561** is the 20% darker color. If you saturate the color by 10%, you get **22.5195, 28.5766, 12.8405**, and if you desaturate by 10%, it is **25.6813, 30.0340, 20.7848**.

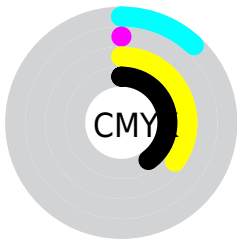
Distribution



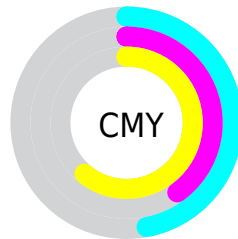
- Red (53%)
- Green (60%)
- Blue (39%)



- Red (39%)
- Yellow (60%)
- Blue (46%)



- Cyan (12%)
- Magenta (0%)
- Yellow (35%)
- Black (40%)



- Cyan (47%)
- Magenta (40%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0092, 29.2655, 16.4400 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 24.0092, 29.2655, 16.4400 by changing the saturation by 10% instead.

■ 24.0092, 29.2655,
16.4400

■ 24.0092, 29.2655,
16.4400

265.3066,
298.4656, 243.8580

■ 15.4652, 19.2818,
9.6783

■ 49.4998, 58.4986,
38.1378

■ 9.2350, 11.8740,
5.0834

■ 67.1771, 78.5168,
53.9109

■ 4.9531, 6.6580,
2.2367

■ 88.6295, 102.6487,
73.5250

■ 2.2542, 3.2491,
0.6954

■ 114.2225,
131.2785, 97.3985

■ 0.7711, 1.2631,
0.0000

144.3214,
164.7907, 125.9501

■ 0.0000, 0.1124,
0.0000

179.2914,

■ 0.0000, 0.0000,

203.5697, 159.5981

0.0000

219.4980,
247.9998, 198.7612

■ 24.0092, 29.2655,
16.4400

■ 24.0092, 29.2655,
16.4400

■ 22.5195, 28.5766,
12.8405

■ 25.6813, 30.0340,
20.7848

■ 21.2013, 27.9598,
9.9424

■ 27.5414, 30.8814,
25.9117

■ 20.0463, 27.4128,
7.7002

■ 29.5977, 31.8120,
31.8573

■ 19.0439, 26.9313,
6.0623

■ 31.8570, 32.8286,
38.6553

■ 18.1823, 26.5104,
4.9693

■ 34.3260, 33.9338,
46.3375

■ 17.4465, 26.1441,
4.3450

■ 37.0107, 35.1304,
54.9343

■ 17.1110, 25.9760,
4.1120

■ 39.9173, 36.4206,
64.4743

■ 43.0514, 37.8069,
74.9852

■ 46.4184, 39.2915,
86.4932

Harmonies

Analogous

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



27.6604, 29.2655, 14.4749



24.0092, 29.2655, 16.4400



21.5857, 29.2655, 22.3432

Triad

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



24.0092, 29.2655, 16.4400



24.2548, 29.2655, 55.4259



36.2722, 29.2655, 31.4209

Complementary

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



24.0092, 29.2655, 16.4400



17.8622, 15.2998, 32.5851

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.



35.1427, 29.2655, 43.7682



24.0092, 29.2655, 16.4400



27.9721, 29.2655, 59.4824

Square

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



24.0092, 29.2655, 16.4400



21.7176, 29.2655, 44.7305



32.0053, 29.2655, 54.7828



34.9608, 29.2655, 21.7385

Rectangle

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



24.0092, 29.2655, 16.4400



20.8625, 29.2655, 28.5849



32.0053, 29.2655, 54.7828



36.1646, 29.2655, 35.3872

Sweetspot

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



24.0099, 29.2668, 16.4406



51.4220, 56.7275, 51.0413



22.1061, 20.7479, 14.8967



11.5354, 12.7930, 11.2554



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



24.0099, 29.2668, 16.4406



41.4806, 52.1760, 24.6654



20.1634, 27.2839, 16.2606



6.5087, 7.1197, 6.6370



13.9790, 21.1823, 3.3518



0.2471, 0.3363, 0.0519

Inverse Universe

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



17.8622, 15.2998, 32.5851



28.6239, 22.9479, 58.4570



22.0680, 17.4679, 32.7819



6.0689, 6.1214, 7.7907



5.9132, 2.4994, 25.0785



0.1243, 0.0558, 0.3766

Previews

White Background



This preview shows how the XYZ color 24.0092, 29.2655, 16.4400 looks on a white background.

Color Contrast Check

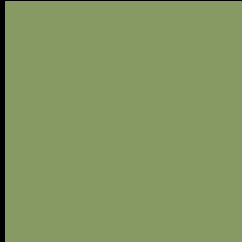
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0092, 29.2655, 16.4400 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 × Fail

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

XYZ 24.0092, 29.2655, 16.4400

Background



This preview shows how black text looks on a background with the XYZ color 24.0092, 29.2655, 16.4400.



This preview shows how white text looks on a background with the XYZ color 24.0092, 29.2655,

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

24.0092, 29.2655, 16.4400

Protanopia

27.0886, 29.2041, 15.5185

Deuteranopia

29.6523, 29.1430, 16.8943



Tritanopia

28.1069, 29.2654, 36.5151

Trichromacy



Original Color

24.0092, 29.2655, 16.4400

Protanomaly

25.8734, 29.2738, 15.8420

Deuteranomaly

27.3751, 29.0941, 16.7433

Tritanomaly

26.4062, 29.2816, 27.9271

Monochromacy



Original Color

24.0092, 29.2655, 16.4400

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.9249, 27.6655, 24.1050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0092, 29.2655, 16.4400 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(136, 154, 100)` looks like.

```
.text, #text, p{  
    color:rgb(136, 154, 100)  
}
```

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(136, 154, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 154, 100) }
```

Border

The CSS property to change the border of an element to XYZ 24.0092, 29.2655, 16.4400 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(136, 154, 100) }
```


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

```
.border{ border-color:rgb(136, 154, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 154, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 154, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 154, 100);  
box-shadow:4px 4px 4px 4px rgb(136, 154,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0092, 29.2655, 16.4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 154, 100) }
```

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

```
.background{ background-color: rgb(136,  
154, 100) }
```

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