

Converting Colors

XYZ(24.5551, 32.9920, 14.5253)

Have a look what the booklet for
XYZ(24.5551, 32.9920, 14.5253)
contains.

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Color

**XYZ(24.5240, 32.9479,
14.5182)**

Conversions

Conversions Part 1

Format	Color
Hex	80A759
RGB	128, 167, 89
RGB Percent	50%, 65%, 35%
CMY	0.4980, 0.3451, 0.6510
CMYK	0.23, 0.00, 0.47, 0.35
HSL	90°, 31%, 50%
HSV	90°, 47%, 65%
XYZ	24.5240, 32.9479, 14.5182
YIQ	146.4470, 1.7940, -32.5260

Conversions

Conversions Part 2

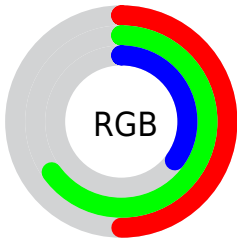
Format	Color
RYB	89, 167, 128
Decimal	8431449
CIELab	64.12, -27.03, 35.96
CIELCh	64, 44.984, 126.927
Yxy	32.9479, 0.3407, 0.4577
Android (android.graphics.Color)	4286621529 (0xFF80A759)
YUV	146.4470, -28.3214, -16.1780
Hunter-Lab	57.4003, -24.1871, 25.1840

Details

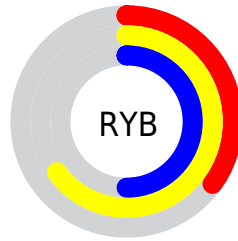
The XYZ color **24.5240, 32.9479, 14.5182** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **19.4509, 14.5249, 38.3395**, and the grayscale version is **27.6183, 29.0566, 31.6426**.

A 20% lighter version of the original color is **50.1463, 64.0811, 34.5368**, and **9.4942, 13.9512, 4.1999** is the 20% darker color. If you saturate the color by 10%, you get **22.6962, 32.0787, 11.1782**, and if you desaturate by 10%, it is **26.6159, 33.9369, 18.7024**.

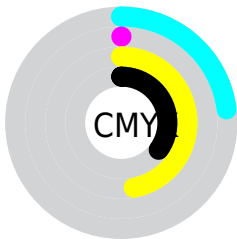
Distribution



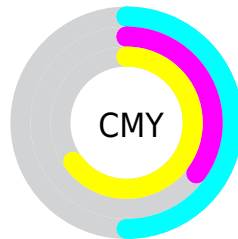
- Red (50%)
- Green (65%)
- Blue (35%)



- Red (35%)
- Yellow (65%)
- Blue (50%)



- Cyan (23%)
- Magenta (0%)
- Yellow (47%)
- Black (35%)



- Cyan (50%)
- Magenta (35%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5240, 32.9479, 14.5182 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 24.5240, 32.9479, 14.5182 by changing the saturation by 10% instead.

■ 24.5240, 32.9479,
14.5182

■ 24.5240, 32.9479,
14.5182

267.8506,
315.4149, 231.9706

■ 15.8496, 22.0865,
8.3391

■ 50.3324, 64.2942,
34.7360

■ 9.5080, 13.9205,
4.2218

■ 68.1972, 85.5479,
49.6117

■ 5.1337, 8.0654,
1.7478

■ 89.8561, 111.0345,
68.2235

■ 2.3615, 4.1368,
0.3932

■ 115.6745,
141.1384, 90.9897

■ 0.8259, 1.7504,
0.0000

146.0179,
176.2440, 118.3290

■ 0.0000, 0.4560,
0.0000

181.2514,

■ 0.0000, 0.0000,

216.7357, 150.6599

0.0000

221.7406,
262.9979, 188.4009

■ 24.5240, 32.9479,
14.5182

■ 24.5240, 32.9479,
14.5182

■ 22.6962, 32.0787,
11.1782

■ 26.6159, 33.9369,
18.7024

■ 21.1167, 31.3194,
8.6227

■ 28.9819, 35.0467,
23.7807

■ 19.7716, 30.6651,
6.7878


■ 31.6339, 36.2833,
29.8017


■ 18.6438, 30.1089,
5.5982


■ 34.5829, 37.6515,
36.8101

■ 17.7100, 29.6410,
4.9458


■ 37.8387, 39.1554,
44.8474

 17.4306, 29.5005,
4.7755

 41.4111, 40.7992,
53.9529

 45.3090, 42.5867,
64.1638

 49.5411, 44.5216,
75.5156

 54.1159, 46.6074,
88.0421

Harmonies

Analogous

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



29.8631, 32.9479, 11.1181



24.5240, 32.9479, 14.5182



21.3526, 32.9479, 23.8178

Triad

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



24.5240, 32.9479, 14.5182



26.7607, 32.9479, 78.7439



45.1029, 32.9479, 31.8114

Complementary

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



24.5240, 32.9479, 14.5182



19.4509, 14.5249, 38.3395

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.



43.9779, 32.9479, 51.4373



24.5240, 32.9479, 14.5182



32.8153, 32.9479, 83.1257

Square

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



24.5240, 32.9479, 14.5182



22.5165, 32.9479, 61.3197



39.2588, 32.9479, 71.8182



42.1528, 32.9479, 18.6691

Rectangle

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



24.5240, 32.9479, 14.5182



20.6165, 32.9479, 34.0286



39.2588, 32.9479, 71.8182



45.1944, 32.9479, 37.7863

Sweetspot

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



24.5248, 32.9493, 14.5189



57.8972, 65.5569, 56.2827



25.4600, 24.3763, 12.8149



12.7190, 14.5601, 12.0397



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.5248, 32.9493, 14.5189



40.5520, 57.4034, 19.8575



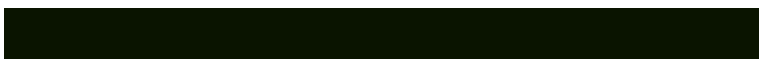
19.7427, 30.4841, 14.2951



7.7807, 8.5850, 8.0363



13.3940, 22.6021, 3.6567



0.3849, 0.5804, 0.0917

Inverse Universe

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



19.4509, 14.5249, 38.3395



30.3402, 20.3223, 67.7988



26.4851, 18.1512, 38.6686



7.4758, 7.4779, 9.4677



8.1579, 3.5890, 28.2383



0.2575, 0.1178, 0.6898

Previews

White Background



This preview shows how the XYZ color 24.5240, 32.9479, 14.5182 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 24.5240, 32.9479, 14.5182 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 24.5240, 32.9479, 14.5182

Background



This preview shows how black text looks on a background with the XYZ color 24.5240, 32.9479, 14.5182.



This preview shows how white text looks on a background with the XYZ color 24.5240, 32.9479,

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

24.5240, 32.9479, 14.5182

Protanopia

29.9386, 32.6446, 13.3174

Deuteranopia

33.3493, 32.6793, 15.1397



Tritanopia

30.2978, 32.9314, 42.7898

Trichromacy



Original Color

24.5240, 32.9479, 14.5182

Protanomaly

27.5954, 32.4367, 13.6106

Deuteranomaly

29.3790, 32.3224, 14.8156

Tritanomaly

27.7059, 32.6471, 30.0406

Monochromacy



Original Color

24.5240, 32.9479, 14.5182

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

25.9047, 30.0808, 23.8429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5240, 32.9479, 14.5182 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(128, 167, 89)` looks like.

```
.text, #text, p{  
    color:rgb(128, 167, 89)  
}
```

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(128, 167, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 167, 89) }
```

Border

The CSS property to change the border of an element to XYZ 24.5240, 32.9479, 14.5182 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(128, 167, 89) }
```


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

```
.border{ border-color:rgb(128, 167, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 167, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 167, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 167, 89);  
box-shadow:4px 4px 4px 4px rgb(128, 167,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5240, 32.9479, 14.5182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 167, 89) }
```

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

```
.background{ background-color: rgb(128,  
167, 89) }
```

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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