

Converting Colors

XYZ(32.6034, 48.1640, 24.6712)

Have a look what the booklet for
XYZ(32.6034, 48.1640, 24.6712)
contains.

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Color

**XYZ(32.6520, 48.1575,
24.7139)**

Conversions

Conversions Part 1

Format	Color
Hex	7ACB76
RGB	122, 203, 118
RGB Percent	48%, 80%, 46%
CMY	0.5216, 0.2039, 0.5372
CMYK	0.40, 0.00, 0.42, 0.20
HSL	117°, 45%, 63%
HSV	117°, 42%, 80%
XYZ	32.6520, 48.1575, 24.7139
YIQ	169.0910, -20.9910, -43.6070

Conversions

Conversions Part 2

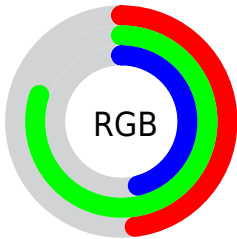
Format	Color
RYB	118, 203, 199
Decimal	8047478
CIELab	74.92, -41.73, 34.77
CIElCh	75, 54.317, 140.203
Yxy	48.1575, 0.3094, 0.4564
Android (android.graphics.Color)	4286237558 (0xFF7ACB76)
YUV	169.0910, -25.1879, -41.2988
Hunter-Lab	69.3956, -37.4545, 27.4619

Details

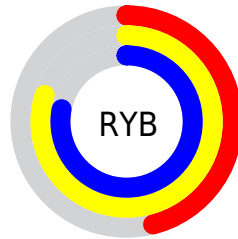
The XYZ color **32.6520, 48.1575, 24.7139** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **40.8134, 29.4123, 60.0286**, and the grayscale version is **37.8863, 39.8594, 43.4069**.

A 20% lighter version of the original color is **61.4708, 83.9253, 51.4874**, and **13.9480, 22.7905, 9.1327** is the 20% darker color. If you saturate the color by 10%, you get **29.1015, 46.4533, 18.9142**, and if you desaturate by 10%, it is **37.0098, 50.2507, 31.9086**.

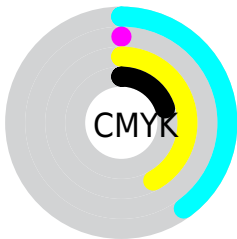
Distribution



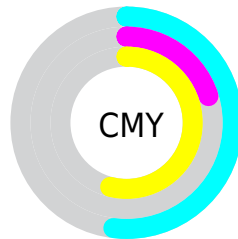
- Red (48%)
- Green (80%)
- Blue (46%)



- Red (46%)
- Yellow (80%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (42%)
- Black (20%)





- Cyan (52%)
- Magenta (20%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6520, 48.1575, 24.7139 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 32.6520, 48.1575, 24.7139 by changing the saturation by 10% instead.


 32.6520, 48.1575,
24.7139


 32.6520, 48.1575,
24.7139


305.7715,
379.4161, 289.8121

 22.0179, 33.9516,
15.6470


 63.1902, 87.4389,
52.1511

 13.9868, 22.8564,
9.1230


 83.8250, 113.2831,
71.3583

 8.1931, 14.4875,
4.7236


 108.5241,
143.7757, 94.7828

 4.2716, 8.4605,
2.0301

137.6528,
179.3009, 122.8430

 1.8569, 4.3910,
0.5737

171.5766,
220.2431, 155.9575

 0.5516, 1.8946,
0.0000

210.6607,

 0.0000, 0.5451,

266.9868, 194.5448

0.0000

255.2706,
319.9163, 239.0235

■ 0.0000, 0.0000,
0.0000

■ 32.6520, 48.1575,
24.7139

■ 32.6520, 48.1575,
24.7139

■ 29.1015, 46.4533,
18.9142

■ 37.0098, 50.2507,
31.9086

■ 26.3054, 45.1085,
14.4161

■ 42.2164, 52.7484,
40.5770

■ 24.2100, 44.0991,
11.1201


■ 48.3149, 55.6724,
50.7961


■ 22.7532, 43.3954,
8.9108


■ 55.3443, 59.0414,
62.6362

■ 21.8619, 42.9629,
7.6505

■ 63.3413, 62.8729,
76.1637

 21.4765, 42.7755,
7.1246

 72.3408, 67.1834,
91.4411

 80.6469, 71.1938,
104.0990

Harmonies

Analogous

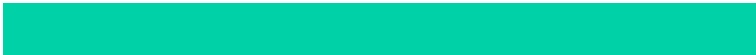
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.5094, 48.1575, 16.1144



32.6520, 48.1575, 24.7139



29.4632, 48.1575, 43.6970

Triad

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



32.6520, 48.1575, 24.7139



42.6097, 48.1575, 126.5695



66.0563, 48.1575, 35.7750

Complementary

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



32.6520, 48.1575, 24.7139



40.8134, 29.4123, 60.0286

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.



67.2038, 48.1575, 62.2672



32.6520, 48.1575, 24.7139



52.6642, 48.1575, 122.0212

Square

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



32.6520, 48.1575, 24.7139



34.6396, 48.1575, 106.4487



62.0065, 48.1575, 95.6305



59.0661, 48.1575, 20.7177

Rectangle

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



32.6520, 48.1575, 24.7139



29.4807, 48.1575, 62.6946



62.0065, 48.1575, 95.6305



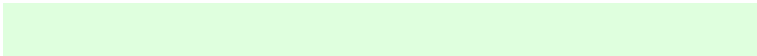
67.1735, 48.1575, 43.3612

Sweetspot

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



32.6532, 48.1595, 24.7150



79.4824, 92.5390, 82.6745



48.2668, 54.7389, 25.1620



16.5048, 19.5637, 16.8438



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.6532, 48.1595, 24.7150



49.3750, 78.0925, 32.7210



34.8507, 48.9744, 39.1812



11.1160, 12.5617, 11.9182



13.6884, 27.2319, 4.5348



0.7237, 1.4139, 0.2348

Inverse Universe

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



40.8134, 29.4123, 60.0286



64.7719, 42.6684, 99.4297



37.8775, 28.3621, 38.9578



11.6334, 11.3758, 14.1530



20.9514, 10.0084, 36.7838



1.0973, 0.5248, 1.8984

Previews

White Background



This preview shows how the XYZ color 32.6520, 48.1575, 24.7139 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 32.6520, 48.1575, 24.7139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

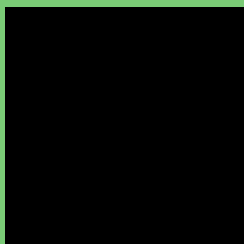
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.6520, 48.1575, 24.7139

Background



This preview shows how black text looks on a background with the XYZ color 32.6520, 48.1575, 24.7139.

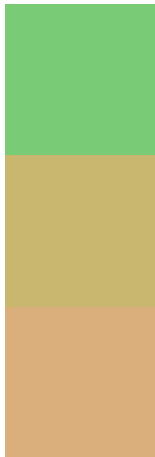


This preview shows how white text looks on a background with the XYZ color 32.6520, 48.1575,

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

32.6520, 48.1575, 24.7139

Protanopia

43.8901, 47.4322, 21.8810

Deuteranopia

48.1815, 47.1752, 25.6351



Tritanopia

40.8823, 47.7423, 66.7350

Trichromacy



Original Color

32.6520, 48.1575, 24.7139



Protanomaly

38.4640, 46.8125, 22.9280



Deuteranomaly

40.6290, 46.2934, 25.2065



Tritanomaly

37.1507, 47.5615, 47.7797

Monochromacy



Original Color

32.6520, 48.1575, 24.7139



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.9778, 41.9252, 35.1030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6520, 48.1575, 24.7139 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(122, 203, 118)` looks like.

```
.text, #text, p{  
    color:rgb(122, 203, 118)  
}
```

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(122, 203, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 203, 118) }
```

Border

The CSS property to change the border of an element to XYZ 32.6520, 48.1575, 24.7139 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(122, 203, 118) }
```


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

```
.border{ border-color:rgb(122, 203, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 203, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 203, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 203, 118);  
box-shadow:4px 4px 4px 4px rgb(122, 203,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6520, 48.1575, 24.7139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 203, 118) }
```

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

```
.background{ background-color: rgb(122,  
203, 118) }
```

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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