

Converting Colors

XYZ(23.9546, 34.0466, 24.6431)

Have a look what the booklet for
XYZ(23.9546, 34.0466, 24.6431)
contains.

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Color

**XYZ(24.0121, 34.1345,
24.7251)**

Conversions

Conversions Part 1

Format	Color
Hex	65AD7D
RGB	101, 173, 125
RGB Percent	40%, 68%, 49%
CMY	0.6039, 0.3216, 0.5098
CMYK	0.42, 0.00, 0.28, 0.32
HSL	140°, 31%, 54%
HSV	140°, 42%, 68%
XYZ	24.0121, 34.1345, 24.7251
YIQ	146.0000, -27.5040, -30.1920

Conversions

Conversions Part 2

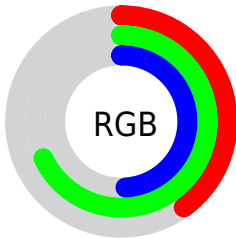
Format	Color
RYB	101, 155, 173
Decimal	6663549
CIELab	65.07, -33.35, 17.76
CIElCh	65, 37.786, 151.970
Yxy	34.1345, 0.2898, 0.4119
Android (android.graphics.Color)	4284853629 (0xFF65AD7D)
YUV	146.0000, -10.3530, -39.4650
Hunter-Lab	58.4247, -28.8812, 15.8060

Details

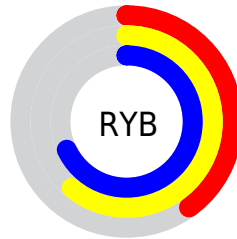
The XYZ color **24.0121, 34.1345, 24.7251** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.3132, 20.3623, 30.9259**, and the grayscale version is **27.3715, 28.7970, 31.3599**.

A 20% lighter version of the original color is **49.5728, 66.2215, 52.2888**, and **9.2399, 14.5831, 9.1653** is the 20% darker color. If you saturate the color by 10%, you get **21.5807, 32.9623, 20.9862**, and if you desaturate by 10%, it is **26.9386, 35.5540, 28.9353**.

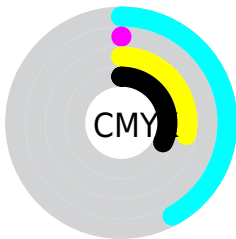
Distribution



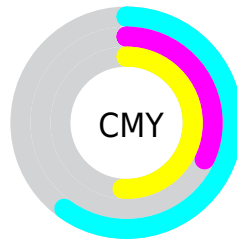
- Red (40%)
- Green (68%)
- Blue (49%)



- Red (40%)
- Yellow (61%)
- Blue (68%)



- Cyan (42%)
- Magenta (0%)
- Yellow (28%)
- Black (32%)





- Cyan (60%)
- Magenta (32%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0121, 34.1345, 24.7251 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 24.0121, 34.1345, 24.7251 by changing the saturation by 10% instead.


 24.0121, 34.1345,
24.7251


 24.0121, 34.1345,
24.7251


265.3210,
320.7314, 289.8699


 15.4674, 22.9969,
15.6552


 49.5045, 66.1428,
52.1695


 9.2365, 14.5913,
9.1288


 67.1828, 87.7823,
71.3811

 4.9541, 8.5330,
4.7273


 88.6365, 113.6912,
94.8103

 2.2548, 4.4379,
2.0323

 114.2307,
144.2540, 122.8757

 0.7714, 1.9214,
0.5750

144.3309,
179.8550, 155.9958

 0.0000, 0.5612,
0.0000

179.3025,

 0.0000, 0.0000,

220.8787, 194.5892

0.0000

219.5107,
267.7093, 239.0743

■ 24.0121, 34.1345,
24.7251

■ 24.0121, 34.1345,
24.7251

■ 21.5807, 32.9623,
20.9862

■ 26.9386, 35.5540,
28.9353

■ 19.6131, 32.0186,
17.6998

■ 30.3838, 37.2297,
33.6303

■ 18.0783, 31.2889,
14.8490


■ 34.3732, 39.1754,
38.8257


■ 16.9401, 30.7549,
12.4152


■ 38.9294, 41.4026,
44.5360

■ 16.1563, 30.3951,
10.3781


■ 44.0740, 43.9220,
50.7748

 15.6995, 30.1905,
8.9585

 49.8274, 46.7438,
57.5553

 56.2090, 49.8779,
64.8903

 63.2372, 53.3335,
72.7922

 70.2998, 56.7946,
81.2433

Harmonies

Analogous

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



27.1842, 34.1345, 17.0121



24.0121, 34.1345, 24.7251



23.0210, 34.1345, 38.2125

Triad

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



24.0121, 34.1345, 24.7251



32.8070, 34.1345, 76.1629



42.2163, 34.1345, 23.3825

Complementary

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



24.0121, 34.1345, 24.7251



27.3132, 20.3623, 30.9259

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.



44.1401, 34.1345, 36.1401



24.0121, 34.1345, 24.7251



38.3416, 34.1345, 69.0495

Square

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



24.0121, 34.1345, 24.7251



27.7449, 34.1345, 70.6273



42.6490, 34.1345, 53.2072



37.6454, 34.1345, 16.4040

Rectangle

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



24.0121, 34.1345, 24.7251



23.6294, 34.1345, 49.6225



42.6490, 34.1345, 53.2072



43.2158, 34.1345, 26.9919

Sweetspot

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



24.0130, 34.1359, 24.7259



61.1081, 69.9387, 68.9569



29.9083, 37.3313, 17.9417



13.0769, 15.1000, 14.7251



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.0130, 34.1359, 24.7259



38.9436, 59.1736, 38.0543



26.6392, 35.1864, 38.5550



8.0105, 8.9818, 9.0803



11.5572, 22.1882, 6.7081



0.3473, 0.6276, 0.3225

Inverse Universe

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



27.3132, 20.3623, 30.9259



45.6506, 31.1317, 50.6172



24.9369, 19.4118, 18.4125



8.2218, 8.1020, 9.4791



14.9755, 7.4527, 12.7824



0.4406, 0.2169, 0.4819

Previews

White Background



This preview shows how the XYZ color 24.0121, 34.1345, 24.7251 looks on a white background.

Color Contrast Check

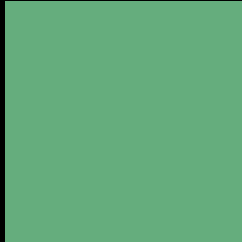
Large Text (above 18pt) WCAG AA × Fail

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 24.0121, 34.1345, 24.7251 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 24.0121, 34.1345, 24.7251

Background



This preview shows how black text looks on a background with the XYZ color 24.0121, 34.1345, 24.7251.



This preview shows how white text looks on a background with the XYZ color 24.0121, 34.1345,

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

24.0121, 34.1345, 24.7251

Protanopia

31.4754, 33.7468, 21.9944

Deuteranopia

34.3873, 33.6900, 25.8095



Tritanopia

28.5830, 34.0378, 47.7113

Trichromacy



Original Color

24.0121, 34.1345, 24.7251



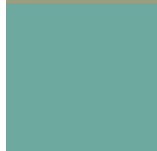
Protanomaly

28.0500, 33.5042, 23.0777



Deuteranomaly

29.4313, 33.1271, 25.2650



Tritanomaly

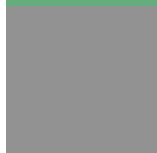
26.7526, 34.1303, 37.9787

Monochromacy



Original Color

24.0121, 34.1345, 24.7251



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.6818, 30.3577, 28.5508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0121, 34.1345, 24.7251 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(101, 173, 125)` looks like.

```
.text, #text, p{  
    color:rgb(101, 173, 125)  
}
```

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(101, 173, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 173, 125) }
```

Border

The CSS property to change the border of an element to XYZ 24.0121, 34.1345, 24.7251 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(101, 173, 125) }
```


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

```
.border{ border-color:rgb(101, 173, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 173, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 173, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 173, 125);  
box-shadow:4px 4px 4px 4px rgb(101, 173,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0121, 34.1345, 24.7251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 173, 125) }
```

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

```
.background{ background-color: rgb(101,  
173, 125) }
```

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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