

Converting Colors

XYZ(24.5800, 35.3055, 24.2580)

Have a look what the booklet for
XYZ(24.5800, 35.3055, 24.2580)
contains.

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Color

**XYZ(24.5800, 35.3055,
24.2580)**

Conversions

Conversions Part 1

Format	Color
Hex	66B07B
RGB	102, 176, 123
RGB Percent	40%, 69%, 48%
CMY	0.6000, 0.3098, 0.5176
CMYK	0.42, 0.00, 0.30, 0.31
HSL	137°, 32%, 55%
HSV	137°, 42%, 69%
XYZ	24.5800, 35.3055, 24.2580
YIQ	147.8320, -27.0910, -32.1710

Conversions

Conversions Part 2

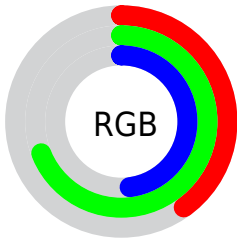
Format	Color
RYB	102, 160, 176
Decimal	6729851
CIELab	65.99, -34.83, 20.11
CIELCh	66, 40.221, 150.000
Yxy	35.3055, 0.2921, 0.4196
Android (android.graphics.Color)	4284919931 (0xFF66B07B)
YUV	147.8320, -12.2422, -40.1947
Hunter-Lab	59.4184, -30.1410, 17.3873

Details

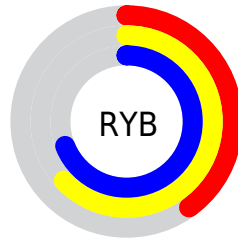
The XYZ color **24.5800, 35.3055, 24.2580** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.5735, 21.1002, 33.5786**, and the grayscale version is **28.1365, 29.6018, 32.2364**.

A 20% lighter version of the original color is **50.4034, 67.9157, 51.5268**, and **9.5856, 15.3133, 8.9291** is the 20% darker color. If you saturate the color by 10%, you get **22.0543, 34.0898, 20.2827**, and if you desaturate by 10%, it is **27.6327, 36.7831, 28.7900**.

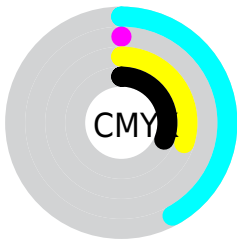
Distribution



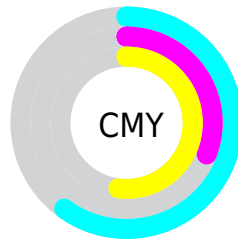
- Red (40%)
- Green (69%)
- Blue (48%)



- Red (40%)
- Yellow (63%)
- Blue (69%)



- Cyan (42%)
- Magenta (0%)
- Yellow (30%)
- Black (31%)





- Cyan (60%)
- Magenta (31%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5800, 35.3055, 24.2580 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 24.5800, 35.3055, 24.2580 by changing the saturation by 10% instead.


 24.5800, 35.3055,
24.2580


 24.5800, 35.3055,
24.2580


268.1262,
325.9147, 287.4507


 15.8915, 23.8983,
15.3111


 50.4229, 67.9588,
51.4000


 9.5378, 15.2582,
8.8890


 68.3079, 89.9736,
70.4322

 5.1535, 9.0008,
4.5730


 89.9892, 116.2932,
93.6633

 2.3733, 4.7417,
1.9447

 115.8320,
147.3018, 121.5118

 0.8318, 2.0965,
0.5209

146.2018,
183.3838, 154.3963

 0.0000, 0.6627,
0.0000

181.4638,

 0.0000, 0.0000,

224.9237, 192.7352

0.0000

221.9835,
272.3059, 236.9472

■ 24.5800, 35.3055,
24.2580

■ 24.5800, 35.3055,
24.2580

■ 22.0543, 34.0898,
20.2827

■ 27.6327, 36.7831,
28.7900

■ 20.0218, 33.1161,
16.8402

■ 31.2379, 38.5323,
33.8966

■ 18.4493, 32.3688,
13.9082


■ 35.4228, 40.5679,
39.5980


■ 17.2980, 31.8282,
11.4621


■ 40.2118, 42.9019,
45.9125


■ 16.5220, 31.4713,
9.4750

■ 45.6282, 45.5460,
52.8578

 16.1005, 31.2818,
8.2009

 51.6937, 48.5111,
60.4507

 58.4292, 51.8076,
68.7075

 65.8546, 55.4454,
77.6440

 71.9723, 58.3945,
87.1808

Harmonies

Analogous

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



28.1478, 35.3055, 16.4511



24.5800, 35.3055, 24.2580



23.3536, 35.3055, 38.4416

Triad

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



24.5800, 35.3055, 24.2580



33.5568, 35.3055, 81.4785



44.4898, 35.3055, 24.2581

Complementary

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



24.5800, 35.3055, 24.2580



28.5735, 21.1002, 33.5786

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.



46.3682, 35.3055, 38.4418



24.5800, 35.3055, 24.2580



39.6179, 35.3055, 74.4377

Square

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



24.5800, 35.3055, 24.2580



28.1477, 35.3055, 74.4375



44.4897, 35.3055, 57.2939



39.6180, 35.3055, 16.4512

Rectangle

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



24.5800, 35.3055, 24.2580



23.9005, 35.3055, 50.7924



44.4897, 35.3055, 57.2939



45.5162, 35.3055, 28.2754

Sweetspot

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



24.5809, 35.3070, 24.2588



63.2893, 73.1096, 70.5352



31.4489, 38.9835, 18.4378



13.3458, 15.6639, 14.7867



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.5809, 35.3070, 24.2588



40.4863, 62.0601, 37.5778



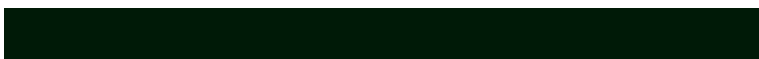
27.3482, 36.4139, 38.8310



8.4848, 9.5284, 9.5468



11.8350, 22.9600, 6.1338



0.3981, 0.7327, 0.3282

Inverse Universe

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



28.5735, 21.1002, 33.5786



48.6459, 32.9732, 56.5858



25.9289, 20.0424, 19.6525



8.7451, 8.6048, 10.1564



15.9286, 7.8890, 15.3161



0.5247, 0.2576, 0.6057

Previews

White Background



This preview shows how the XYZ color 24.5800, 35.3055, 24.2580 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 24.5800, 35.3055, 24.2580 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 24.5800, 35.3055, 24.2580

Background



This preview shows how black text looks on a background with the XYZ color 24.5800, 35.3055, 24.2580.



This preview shows how white text looks on a background with the XYZ color 24.5800, 35.3055,

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

24.5800, 35.3055, 24.2580

Protanopia

32.5638, 34.8279, 21.5292

Deuteranopia

35.5372, 34.7801, 25.2623



Tritanopia

29.5164, 35.0275, 49.4613

Trichromacy



Original Color

24.5800, 35.3055, 24.2580

Protanomaly

28.8175, 34.4452, 22.5825

Deuteranomaly

30.0283, 33.9647, 24.7118

Tritanomaly

27.4263, 35.0140, 39.0311

Monochromacy



Original Color

24.5800, 35.3055, 24.2580

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.2471, 31.1431, 29.0539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5800, 35.3055, 24.2580 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(102, 176, 123)` looks like.

```
.text, #text, p{  
    color:rgb(102, 176, 123)  
}
```

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(102, 176, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 176, 123) }
```

Border

The CSS property to change the border of an element to XYZ 24.5800, 35.3055, 24.2580 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(102, 176, 123) }
```


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

```
.border{ border-color:rgb(102, 176, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 176, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 176, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 176, 123);  
box-shadow:4px 4px 4px 4px rgb(102, 176,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5800, 35.3055, 24.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 176, 123) }
```

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

```
.background{ background-color: rgb(102,  
176, 123) }
```

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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