

Converting Colors

XYZ(24.3607, 38.4793, 22.7924)

Have a look what the booklet for
XYZ(24.3607, 38.4793, 22.7924)
contains.

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Color

**XYZ(24.4024, 38.5954,
22.6865)**

Conversions

Conversions Part 1

Format	Color
Hex	52BB74
RGB	82, 187, 116
RGB Percent	32%, 73%, 45%
CMY	0.6784, 0.2667, 0.5451
CMYK	0.56, 0.00, 0.38, 0.27
HSL	139°, 44%, 53%
HSV	139°, 56%, 73%
XYZ	24.4024, 38.5954, 22.6865
YIQ	147.5110, -39.7890, -44.3410

Conversions

Conversions Part 2

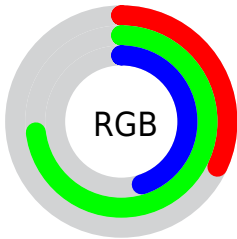
Format	Color
RYB	82, 161, 187
Decimal	5421940
CIELab	68.46, -46.25, 27.05
CIElCh	68, 53.582, 149.682
Yxy	38.5954, 0.2848, 0.4504
Android (android.graphics.Color)	4283612020 (0xFF52BB74)
YUV	147.5110, -15.5349, -57.4531
Hunter-Lab	62.1252, -38.6054, 21.8365

Details

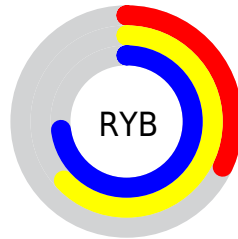
The XYZ color **24.4024, 38.5954, 22.6865** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **29.2618, 18.9001, 32.2443**, and the grayscale version is **28.0200, 29.4793, 32.1029**.

A 20% lighter version of the original color is **50.1596, 73.0549, 48.9934**, and **9.4758, 17.2190, 8.1344** is the 20% darker color. If you saturate the color by 10%, you get **22.3064, 37.5952, 19.0070**, and if you desaturate by 10%, it is **27.0436, 39.8672, 26.9159**.

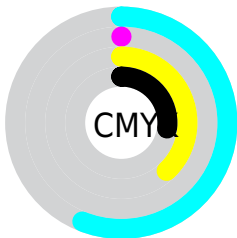
Distribution



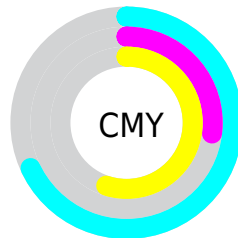
- Red (32%)
- Green (73%)
- Blue (45%)



- Red (32%)
- Yellow (63%)
- Blue (73%)



- Cyan (56%)
- Magenta (0%)
- Yellow (38%)
- Black (27%)





- Cyan (68%)
- Magenta (27%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4024, 38.5954, 22.6865 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 24.4024, 38.5954, 22.6865 by changing the saturation by 10% instead.


 24.4024, 38.5954,
22.6865


 24.4024, 38.5954,
22.6865


267.2515,
340.1672, 279.1802


 15.7587, 26.4451,
14.1591


 50.1360, 73.0198,
48.7947


 9.4434, 17.1569,
8.0914


 67.9566, 96.0627,
67.2125

 5.0909, 10.3464,
4.0649


 89.5669, 123.5053,
89.7643

 2.3360, 5.6293,
1.6610

 115.3323,
155.7320, 116.8685

 0.8130, 2.6210,
0.3338

145.6181,
193.1271, 148.9436

 0.0000, 0.9372,
0.0000

180.7897,

 0.0000, 0.0000,

236.0751, 186.4082

0.0000

221.2123,
284.9604, 229.6809

■ 24.4024, 38.5954,
22.6865

■ 24.4024, 38.5954,
22.6865

■ 22.3064, 37.5952,
19.0070

■ 27.0436, 39.8672,
26.9159

■ 20.7117, 36.8413,
15.8519

■ 30.2637, 41.4243,
31.7141

■ 19.5720, 36.3114,
13.1975

■ 34.0968, 43.2851,
37.1022

■ 18.8276, 35.9751,
11.0169

■ 38.5738, 45.4650,
43.0997

■ 18.6013, 35.8742,
10.2960

■ 43.7232, 47.9783,
49.7248

■ 49.5719, 50.8385,
56.9952

■ 56.1452, 54.0584,
64.9279

■ 63.4671, 57.6500,
73.5391

■ 71.5607, 61.6248,
82.8445

Harmonies

Analogous

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



29.2332, 38.5954, 13.2320



24.4024, 38.5954, 22.6865



22.7531, 38.5954, 41.7666

Triad

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



24.4024, 38.5954, 22.6865



36.5938, 38.5954, 107.5762



52.6327, 38.5954, 22.9838

Complementary

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



24.4024, 38.5954, 22.6865



29.2618, 18.9001, 32.2443

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.



55.3826, 38.5954, 42.2821



24.4024, 38.5954, 22.6865



45.3035, 38.5954, 96.5844

Square

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



24.4024, 38.5954, 22.6865



29.0994, 38.5954, 96.1362



52.5183, 38.5954, 70.0609



45.4832, 38.5954, 13.3516

Rectangle

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



24.4024, 38.5954, 22.6865



23.4481, 38.5954, 59.6639



52.5183, 38.5954, 70.0609



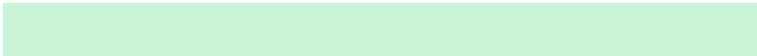
54.1469, 38.5954, 28.2562

Sweetspot

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



24.4034, 38.5970, 22.6874



68.1212, 80.9557, 75.9239



32.5735, 42.9971, 14.5655



14.6307, 17.6471, 16.2290



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.4034, 38.5970, 22.6874



39.3291, 67.0358, 32.8754



28.2958, 40.1539, 43.1844



9.5327, 10.6992, 10.7887



12.8457, 24.7286, 7.2504



0.5339, 0.9809, 0.4457

Inverse Universe

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



29.2618, 18.9001, 32.2443



48.8291, 28.3548, 51.4395



25.8731, 17.5447, 14.3996



9.7950, 9.6423, 11.3093



16.7692, 8.3388, 14.6099



0.6856, 0.3381, 0.7237

Previews

White Background



This preview shows how the XYZ color 24.4024, 38.5954, 22.6865 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 24.4024, 38.5954, 22.6865 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 24.4024, 38.5954, 22.6865

Background



This preview shows how black text looks on a background with the XYZ color 24.4024, 38.5954, 22.6865.



This preview shows how white text looks on a background with the XYZ color 24.4024, 38.5954,

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

24.4024, 38.5954, 22.6865

Protanopia

35.1125, 38.0373, 19.4012

Deuteranopia

38.6759, 37.9372, 23.6965



Tritanopia

31.0283, 38.5301, 55.6709

Trichromacy



Original Color

24.4024, 38.5954, 22.6865



Protanomaly

29.4521, 37.3272, 20.4044



Deuteranomaly

31.0957, 36.7006, 23.2143



Tritanomaly

27.9440, 38.1610, 41.0150

Monochromacy



Original Color

24.4024, 38.5954, 22.6865



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.6764, 31.9033, 28.0972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4024, 38.5954, 22.6865 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(82, 187, 116)` looks like.

```
.text, #text, p{  
    color:rgb(82, 187, 116)  
}
```

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(82, 187, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 187, 116) }
```

Border

The CSS property to change the border of an element to XYZ 24.4024, 38.5954, 22.6865 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(82, 187, 116) }
```


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

```
.border{ border-color:rgb(82, 187, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 187, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 187, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 187, 116);  
box-shadow:4px 4px 4px 4px rgb(82, 187,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4024, 38.5954, 22.6865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 187, 116) }
```

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

```
.background{ background-color: rgb(82, 187,  
116) }
```

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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