

Converting Colors

XYZ(24.7751, 42.9343, 19.8313)

Have a look what the booklet for
XYZ(24.7751, 42.9343, 19.8313)
contains.

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Color

**XYZ(24.6752, 42.7559,
19.7842)**

Conversions

Conversions Part 1

Format	Color
Hex	3BC767
RGB	59, 199, 103
RGB Percent	23%, 78%, 40%
CMY	0.7686, 0.2196, 0.5961
CMYK	0.70, 0.00, 0.48, 0.22
HSL	139°, 56%, 51%
HSV	139°, 70%, 78%
XYZ	24.6752, 42.7559, 19.7842
YIQ	146.1960, -52.6240, -59.5360

Conversions

Conversions Part 2

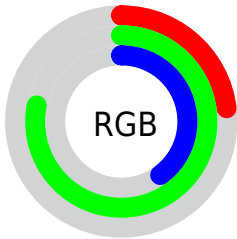
Format	Color
RYB	59, 166, 199
Decimal	3917671
CIELab	71.39, -57.71, 37.39
CIELCh	71, 68.765, 147.060
Yxy	42.7559, 0.2829, 0.4902
Android (android.graphics.Color)	4282107751 (0xFF3BC767)
YUV	146.1960, -21.2956, -76.4709
Hunter-Lab	65.3880, -47.0692, 27.8324

Details

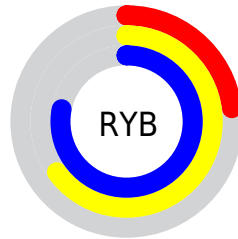
The XYZ color **24.6752, 42.7559, 19.7842** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **31.0347, 17.6373, 32.7799**, and the grayscale version is **27.5030, 28.9353, 31.5106**.

A 20% lighter version of the original color is **50.0729, 78.2054, 43.9085**, and **10.6159, 20.2036, 6.7083** is the 20% darker color. If you saturate the color by 10%, you get **23.0830, 42.0091, 16.4219**, and if you desaturate by 10%, it is **26.8308, 43.7826, 23.7583**.

Distribution



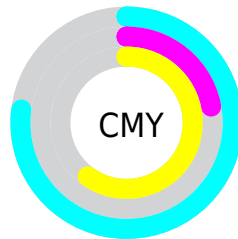
- Red (23%)
- Green (78%)
- Blue (40%)



- Red (23%)
- Yellow (65%)
- Blue (78%)



- Cyan (70%)
- Magenta (0%)
- Yellow (48%)
- Black (22%)





- Cyan (77%)
- Magenta (22%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6752, 42.7559, 19.7842 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 24.6752, 42.7559, 19.7842 by changing the saturation by 10% instead.


 24.6752, 42.7559,
19.7842


 24.6752, 42.7559,
19.7842


268.5941,
357.6069, 263.3099


 15.9627, 29.6936,
12.0558


 50.5765, 79.3424,
43.9093


 9.5884, 19.6062,
6.6587


 68.4960, 103.6354,
61.1430


 5.1871, 12.1091,
3.1744


 90.2152, 132.4407,
82.3822

 2.3933, 6.8180,
1.1843

 116.0994,
166.1429, 108.0455

 0.8418, 3.3486,
0.0000

 146.5141,
205.1262, 138.5514

 0.0000, 1.3163,
0.0000

181.8245,

 0.0000, 0.1538,

249.7750, 174.3184

0.0000

222.3961,
300.4738, 215.7651

■ 0.0000, 0.0000,
0.0000

■ 24.6752, 42.7559,
19.7842

■ 24.6752, 42.7559,
19.7842

■ 23.0830, 42.0091,
16.4219

■ 26.8308, 43.7826,
23.7583

■ 21.9912, 41.5067,
13.6375

■ 29.5973, 45.1096,
28.3700

■ 21.3088, 41.2023,
11.4660

■ 33.0207, 46.7612,
33.6471

■ 37.1414, 48.7577,
39.6149

■ 41.9968, 51.1178,
46.2974

■ 47.6211, 53.8589,
53.7172

■ 54.0467, 56.9970,
61.8963

■ 61.3038, 60.5474,
70.8553

■ 69.4213, 64.5246,
80.6143

Harmonies

Analogous

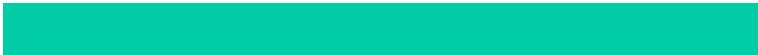
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.3307, 42.7559, 9.7357



24.6752, 42.7559, 19.7842



22.2171, 42.7559, 43.3608

Triad

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



24.6752, 42.7559, 19.7842



39.5074, 42.7559, 143.6338



63.8551, 42.7559, 23.1604

Complementary

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



24.6752, 42.7559, 19.7842



31.0347, 17.6373, 32.7799

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.



67.1641, 42.7559, 49.9000



24.6752, 42.7559, 19.7842



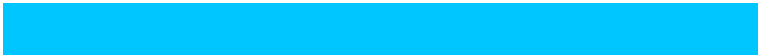
51.6275, 42.7559, 129.5130

Square

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



24.6752, 42.7559, 19.7842



29.6977, 42.7559, 123.1538



62.3247, 42.7559, 90.5264



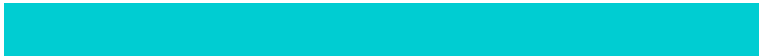
53.9814, 42.7559, 10.9334

Rectangle

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



24.6752, 42.7559, 19.7842



22.8584, 42.7559, 67.8697



62.3247, 42.7559, 90.5264



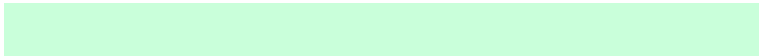
65.8448, 42.7559, 30.2459

Sweetspot

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



24.6763, 42.7576, 19.7852



72.6602, 89.0766, 79.8861



35.1189, 48.3326, 11.6160



15.0216, 18.8079, 16.3771



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.



24.6763, 42.7576, 19.7852



39.3797, 73.0726, 26.2501



29.5789, 44.7187, 45.6022



10.6325, 11.9419, 12.0150



13.7367, 26.5071, 7.5582



0.6835, 1.2683, 0.5321

Inverse Universe

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



31.0347, 17.6373, 32.7799



51.0685, 26.4491, 49.8092



26.8385, 15.9588, 10.6830



10.9357, 10.7577, 12.6449



18.0647, 8.9755, 16.0826



0.8870, 0.4377, 0.9283

Previews

White Background



This preview shows how the XYZ color 24.6752, 42.7559, 19.7842 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 24.6752, 42.7559, 19.7842 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 24.6752, 42.7559, 19.7842

Background



This preview shows how black text looks on a background with the XYZ color 24.6752, 42.7559, 19.7842.



This preview shows how white text looks on a background with the XYZ color 24.6752, 42.7559,

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

24.6752, 42.7559, 19.7842

Protanopia

38.4498, 41.7717, 16.6259

Deuteranopia

42.8000, 41.9754, 20.8852



Tritanopia

33.2769, 42.6054, 62.9697

Trichromacy



Original Color

24.6752, 42.7559, 19.7842



Protanomaly

30.2133, 40.1586, 17.4682



Deuteranomaly

31.9536, 39.7935, 20.1841



Tritanomaly

29.2180, 42.2386, 43.1721

Monochromacy



Original Color

24.6752, 42.7559, 19.7842



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.4238, 32.0994, 26.0276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6752, 42.7559, 19.7842 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(59, 199, 103)` looks like.

```
.text, #text, p{  
    color:rgb(59, 199, 103)  
}
```

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(59, 199, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 199, 103) }
```

Border

The CSS property to change the border of an element to XYZ 24.6752, 42.7559, 19.7842 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(59, 199, 103) }
```


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

```
.border{ border-color:rgb(59, 199, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 199, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 199, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 199, 103);  
box-shadow:4px 4px 4px 4px rgb(59, 199,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6752, 42.7559, 19.7842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 199, 103) }
```

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

```
.background{ background-color: rgb(59, 199,  
103) }
```

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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