

Converting Colors

XYZ(23.5385, 40.7232, 23.9806)

Have a look what the booklet for
XYZ(23.5385, 40.7232, 23.9806)
contains.

XYZ(23.5724, 40.7372, 24.0734)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.5724, 40.7372,
24.0734)**

Conversions

Conversions Part 1

Format	Color
Hex	24C377
RGB	36, 195, 119
RGB Percent	14%, 76%, 47%
CMY	0.8588, 0.2353, 0.5333
CMYK	0.82, 0.00, 0.39, 0.24
HSL	151°, 69%, 45%
HSV	151°, 82%, 76%
XYZ	23.5724, 40.7372, 24.0734
YIQ	138.7950, -70.3680, -57.3440

Conversions

Conversions Part 2

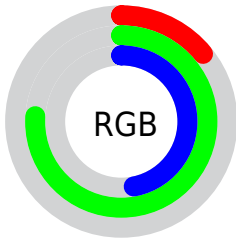
Format	Color
RYB	36, 140, 195
Decimal	2409335
CIELab	69.99, -56.51, 27.32
CIELCh	70, 62.771, 154.195
Yxy	40.7372, 0.2667, 0.4609
Android (android.graphics.Color)	4280599415 (0xFF24C377)
YUV	138.7950, -9.7589, -90.1512
Hunter-Lab	63.8257, -45.7705, 22.3153

Details

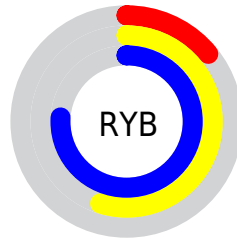
The XYZ color **23.5724, 40.7372, 24.0734** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **26.0625, 14.0345, 16.6660**, and the grayscale version is **24.5185, 25.7953, 28.0911**.

A 20% lighter version of the original color is **48.8783, 76.4803, 51.2157**, and **10.4836, 19.1984, 8.9475** is the 20% darker color. If you saturate the color by 10%, you get **22.5354, 40.2652, 21.2452**, and if you desaturate by 10%, it is **25.0368, 41.4253, 27.2101**.

Distribution



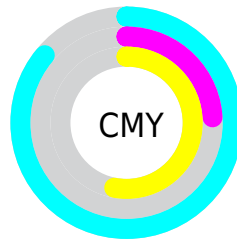
- Red (14%)
- Green (76%)
- Blue (47%)



- Red (14%)
- Yellow (55%)
- Blue (76%)



- Cyan (82%)
- Magenta (0%)
- Yellow (39%)
- Black (24%)





- Cyan (86%)
- Magenta (24%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5724, 40.7372, 24.0734 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 23.5724, 40.7372, 24.0734 by changing the saturation by 10% instead.


 23.5724, 40.7372,
24.0734


 23.5724, 40.7372,
24.0734


263.1323,
349.2210, 286.4899


 15.1397, 28.1138,
15.1754

 48.7913, 76.2848,
51.0953


 9.0045, 18.4115,
8.7946


 66.3082, 99.9778,
70.0562


 4.8012, 11.2458,
4.5125


 87.5840, 128.1294,
93.2085

 2.1647, 6.2324,
1.9105

 112.9839,
161.1241, 120.9708

 0.7240, 2.9869,
0.4994

 142.8733,
199.3462, 153.7615

 0.0000, 1.1249,
0.0000

177.6176,

 0.0000, 0.0000,

243.1801, 191.9992

0.0000

217.5822,
293.0103, 236.1025

■ 23.5724, 40.7372,
24.0734

■ 23.5724, 40.7372,
24.0734

■ 22.5354, 40.2652,
21.2452

■ 25.0368, 41.4253,
27.2101

■ 21.9039, 39.9869,
19.0803

■ 26.9796, 42.3525,
30.6628

■ 29.4476, 43.5437,
34.4422

■ 32.4810, 45.0195,
38.5575

■ 36.1157, 46.7983,
43.0174

■ 40.3847, 48.8969,
47.8302

■ 45.3183, 51.3309,
53.0041

■ 50.9452, 54.1148,
58.5467

■ 57.2918, 57.2622,
64.4655

Harmonies

Analogous

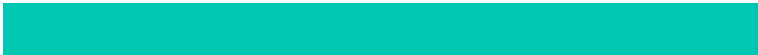
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.6827, 40.7372, 12.1705



23.5724, 40.7372, 24.0734



22.2276, 40.7372, 48.6058

Triad

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



23.5724, 40.7372, 24.0734



40.1763, 40.7372, 127.6073



57.3762, 40.7372, 19.6297

Complementary

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



23.5724, 40.7372, 24.0734



26.0625, 14.0345, 16.6660

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.



61.8386, 40.7372, 40.3612



23.5724, 40.7372, 24.0734



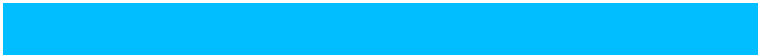
50.8607, 40.7372, 109.1786

Square

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



23.5724, 40.7372, 24.0734



30.7719, 40.7372, 116.8648



59.2669, 40.7372, 73.6784



47.9297, 40.7372, 10.5120

Rectangle

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



23.5724, 40.7372, 24.0734



23.4049, 40.7372, 71.6837



59.2669, 40.7372, 73.6784



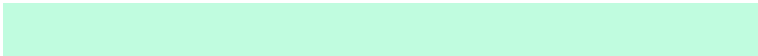
59.5778, 40.7372, 25.0410

Sweetspot

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



23.5734, 40.7388, 24.0743



70.0405, 86.4464, 83.1526



26.6256, 42.6601, 8.5003



14.7268, 18.6303, 17.5221



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.



23.5734, 40.7388, 24.0743



39.3317, 71.6630, 34.3843



29.5057, 42.1701, 58.2163



10.1591, 11.3447, 11.8411



14.2785, 26.0055, 12.6258



0.6516, 1.1375, 0.7281

Inverse Universe

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



26.0625, 14.0345, 16.6660



43.9572, 22.3269, 20.8321



23.5392, 13.1583, 2.9685



10.2692, 10.1563, 11.5081



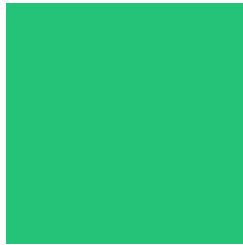
15.9597, 8.0736, 7.6996



0.7244, 0.3628, 0.5160

Previews

White Background



This preview shows how the XYZ color 23.5724, 40.7372, 24.0734 looks on a white background.

Color Contrast Check

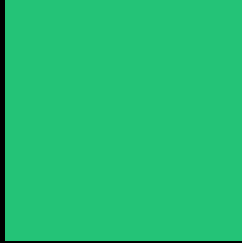
Large Text (above 18pt) WCAG AA × Fail

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 23.5724, 40.7372, 24.0734 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 23.5724, 40.7372, 24.0734

Background



This preview shows how black text looks on a background with the XYZ color 23.5724, 40.7372, 24.0734.



This preview shows how white text looks on a background with the XYZ color 23.5724, 40.7372,

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

23.5724, 40.7372, 24.0734

Protanopia

37.1426, 40.1679, 20.2635

Deuteranopia

40.7474, 40.0061, 25.6530



Tritanopia

30.8349, 40.4458, 60.8252

Trichromacy



Original Color

23.5724, 40.7372, 24.0734



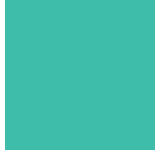
Protanomaly

28.4608, 38.2577, 21.5072



Deuteranomaly

29.7833, 37.6906, 24.7741



Tritanomaly

27.5349, 40.3596, 44.8670

Monochromacy



Original Color

23.5724, 40.7372, 24.0734



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.0425, 29.2870, 26.3210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5724, 40.7372, 24.0734 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(36, 195, 119)` looks like.

```
.text, #text, p{  
    color:rgb(36, 195, 119)  
}
```

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(36, 195, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 195, 119) }
```

Border

The CSS property to change the border of an element to XYZ 23.5724, 40.7372, 24.0734 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(36, 195, 119) }
```


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

```
.border{ border-color:rgb(36, 195, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 195, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 195, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 195, 119);  
box-shadow:4px 4px 4px 4px rgb(36, 195,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5724, 40.7372, 24.0734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 195, 119) }
```

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

```
.background{ background-color: rgb(36, 195,  
119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor