

Converting Colors

XYZ(35.0974, 45.3658, 24.3594)

Have a look what the booklet for
XYZ(35.0974, 45.3658, 24.3594)
contains.

| | |
|--|----|
| XYZ(35.0974, 45.3658, 24.3594) | 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(35.0974, 45.3658,
24.3594)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 99BF77 |
| RGB | 153, 191, 119 |
| RGB Percent | 60%, 75%, 47% |
| CMY | 0.4000, 0.2510, 0.5333 |
| CMYK | 0.20, 0.00, 0.38, 0.25 |
| HSL | 92°, 36%, 61% |
| HSV | 92°, 38%, 75% |
| XYZ | 35.0974, 45.3658, 24.3594 |
| YIQ | 171.4300, 0.4640, -30.4480 |

Conversions

Conversions Part 2

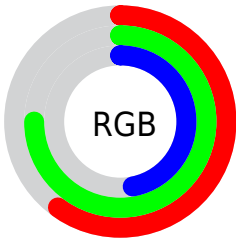
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 119, 191, 157 |
| Decimal | 10076023 |
| CIELab | 73.13, -25.48, 32.26 |
| CIELCh | 73, 41.109, 128.296 |
| Yxy | 45.3658, 0.3348, 0.4328 |
| Android (android.graphics.Color) | 4288266103 (0xFF99BF77) |
| YUV | 171.4300, -25.8480, -16.1631 |
| Hunter-Lab | 67.3541, -24.8556, 25.7050 |

Details

The XYZ color **35.0974, 45.3658, 24.3594** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.9074, 24.1247, 52.3730**, and the grayscale version is **39.0519, 41.0857, 44.7423**.

A 20% lighter version of the original color is **67.0262, 83.5233, 51.6187**, and **15.2754, 21.0303, 8.8844** is the 20% darker color. If you saturate the color by 10%, you get **32.2408, 44.0141, 18.8279**, and if you desaturate by 10%, it is **38.3476, 46.8966, 31.1145**.

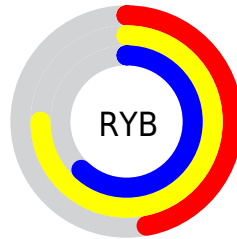
Distribution



Red (60%)

Green (75%)

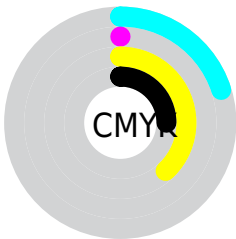
Blue (47%)



Red (47%)

Yellow (75%)

Blue (62%)

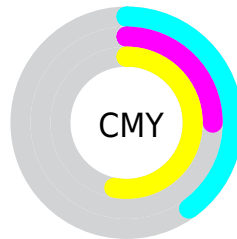


Cyan (20%)

Magenta (0%)

Yellow (38%)

Black (25%)



Cyan (40%)


Magenta (25%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0974, 45.3658, 24.3594 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 35.0974, 45.3658, 24.3594 by changing the saturation by 10% instead.


 35.0974, 45.3658,
24.3594


 35.0974, 45.3658,
24.3594


316.4985,
368.2530, 287.9773


 23.9048, 31.7457,
15.3858


 66.9697, 83.2691,
51.5672

 15.3874, 21.1673,
8.9410


 88.3800, 108.3210,
70.6385

 9.1798, 13.2463,
4.6064


 113.9270,
137.9522, 93.9127

 4.9167, 7.5984,
1.9636

143.9759,
172.5473, 121.8085

 2.2327, 3.8391,
0.5327

178.8922,
212.4905, 154.7443

 0.7599, 1.5840,
0.0000

219.0411,

 0.0000, 0.3467,

258.1663, 193.1387

0.0000

264.7881,
309.9590, 237.4102

■ 0.0000, 0.0000,
0.0000

■ 35.0974, 45.3658,
24.3594

■ 35.0974, 45.3658,
24.3594

■ 32.2408, 44.0141,
18.8279

■ 38.3476, 46.8966,
31.1145

■ 29.7566, 42.8279,
14.4438

■ 42.0046, 48.6076,
39.1575

■ 27.6265, 41.8010,
11.1268


■ 46.0850, 50.5075,
48.5518


■ 25.8286, 40.9241,
8.7851


■ 50.6035, 52.6023,
59.3556


■ 24.3383, 40.1869,
7.3112


■ 55.5738, 54.8982,
71.6239


 23.1207, 39.5748,
6.5465

 61.0091, 57.4008,
85.4084

 22.8666, 39.4466,
6.4088

 66.9222, 60.1154,
100.7587

 70.4996, 61.9172,
102.8432

 73.8979, 63.6691,
103.0023

Harmonies

Analogous

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



41.1525, 45.3658, 19.6371



35.0974, 45.3658, 24.3594



31.4950, 45.3658, 36.1384

Triad

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



35.0974, 45.3658, 24.3594



38.2000, 45.3658, 96.1374



58.3166, 45.3658, 43.8943

Complementary

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



35.0974, 45.3658, 24.3594



29.9074, 24.1247, 52.3730

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.



57.2996, 45.3658, 65.5534



35.0974, 45.3658, 24.3594



45.1468, 45.3658, 99.9202

Square

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



35.0974, 45.3658, 24.3594



33.1426, 45.3658, 78.2588



52.2778, 45.3658, 87.4947



54.9195, 45.3658, 28.6773

Rectangle

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



35.0974, 45.3658, 24.3594



30.7107, 45.3658, 48.2260



52.2778, 45.3658, 87.4947



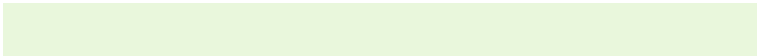
58.4864, 45.3658, 50.5841

Sweetspot

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



35.0985, 45.3678, 24.3604



79.9055, 89.2324, 80.8205



36.7395, 36.2541, 22.5148



17.3244, 19.4912, 17.2344



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



35.0985, 45.3678, 24.3604



58.7019, 79.2823, 35.5175



29.6422, 42.5466, 24.4837



9.8256, 10.8645, 10.1558



15.1184, 25.9697, 4.2158



0.6677, 1.0562, 0.1687

Inverse Universe

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



29.9074, 24.1247, 52.3730



48.1049, 35.9318, 92.6793



37.3569, 27.9802, 52.0349



9.4842, 9.4665, 11.9995



9.7871, 4.3315, 32.7131



0.4584, 0.2083, 1.2849

Previews

White Background



This preview shows how the XYZ color 35.0974, 45.3658, 24.3594 looks on a white background.

Color Contrast Check

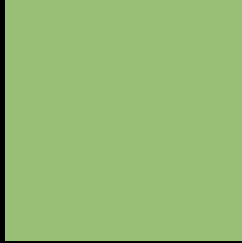
Large Text (above 18pt) WCAG AA × Fail

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 35.0974, 45.3658, 24.3594 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

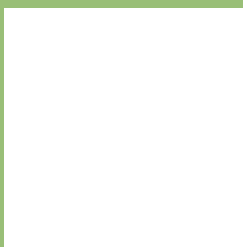
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.0974, 45.3658, 24.3594

Background



This preview shows how black text looks on a background with the XYZ color 35.0974, 45.3658, 24.3594.



This preview shows how white text looks on a background with the XYZ color 35.0974, 45.3658,

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

35.0974, 45.3658, 24.3594

Protanopia

41.6630, 45.0572, 22.4206

Deuteranopia

45.8696, 44.8520, 24.9786



Tritanopia

42.0016, 45.3339, 58.7612

Trichromacy



Original Color

35.0974, 45.3658, 24.3594

Protanomaly

38.9083, 44.8312, 23.1256

Deuteranomaly

41.1715, 44.4524, 24.8226

Tritanomaly

38.9140, 44.9987, 43.6804

Monochromacy



Original Color

35.0974, 45.3658, 24.3594

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

36.8977, 42.0003, 35.8679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0974, 45.3658, 24.3594 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(153, 191, 119)` looks like.

```
.text, #text, p{  
    color:rgb(153, 191, 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(153, 191, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 191, 119) }
```

Border

The CSS property to change the border of an element to XYZ 35.0974, 45.3658, 24.3594 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(153, 191, 119) }
```


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

```
.border{ border-color:rgb(153, 191, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 191, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 191, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 191, 119);  
box-shadow:4px 4px 4px 4px rgb(153, 191,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0974, 45.3658, 24.3594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 191, 119) }
```

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

```
.background{ background-color: rgb(153,  
191, 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