

Converting Colors

XYZ(40.9526, 51.4035, 24.5935)

Have a look what the booklet for
XYZ(40.9526, 51.4035, 24.5935)
contains.

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Color

**XYZ(40.8784, 51.3636,
24.5893)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC875
RGB	172, 200, 117
RGB Percent	67%, 78%, 46%
CMY	0.3255, 0.2157, 0.5412
CMYK	0.14, 0.00, 0.42, 0.22
HSL	80°, 43%, 62%
HSV	80°, 42%, 78%
XYZ	40.8784, 51.3636, 24.5893
YIQ	182.1660, 9.9550, -31.7490

Conversions

Conversions Part 2

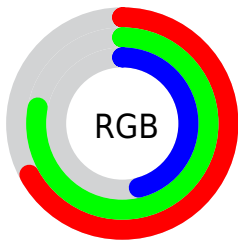
Format	Color
RYB	117, 200, 145
Decimal	11323509
CIELab	76.90, -23.01, 38.38
CIELCh	77, 44.745, 120.944
Yxy	51.3636, 0.3499, 0.4396
Android (android.graphics.Color)	4289513589 (0xFFACC875)
YUV	182.1660, -32.1268, -8.9156
Hunter-Lab	71.6684, -23.6064, 29.8256

Details

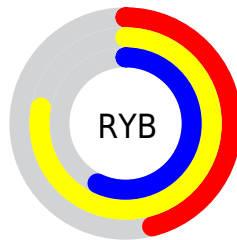
The XYZ color **40.8784, 51.3636, 24.5893** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.4658, 22.9139, 57.5691**, and the grayscale version is **44.7208, 47.0498, 51.2372**.

A 20% lighter version of the original color is **75.0106, 90.9163, 51.6253**, and **18.7632, 24.8146, 9.1110** is the 20% darker color. If you saturate the color by 10%, you get **38.3826, 50.2003, 18.9764**, and if you desaturate by 10%, it is **43.7032, 52.6708, 31.5311**.

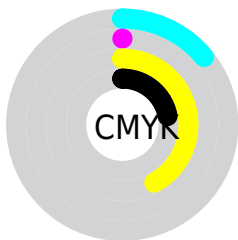
Distribution



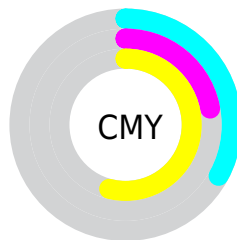
- Red (67%)
- Green (78%)
- Blue (46%)



- Red (46%)
- Yellow (78%)
- Blue (57%)



- Cyan (14%)
- Magenta (0%)
- Yellow (42%)
- Black (22%)





- Cyan (33%)
- Magenta (22%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8784, 51.3636, 24.5893 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 40.8784, 51.3636, 24.5893 by changing the saturation by 10% instead.


 40.8784, 51.3636,
24.5893


 40.8784, 51.3636,
24.5893


340.8834,
391.9748, 289.1683


 28.4113, 36.4981,
15.5551


 75.7751, 92.1920,
51.9460

 18.7780, 24.8191,
9.0590

 98.9355, 118.9237,
71.1056

 11.6130, 15.9423,
4.6823

 126.3911,
150.3795, 94.4774

 6.5511, 9.4834,
2.0066

158.5071,
186.9439, 122.4799

 3.2268, 5.0578,
0.5594

195.6490,
229.0012, 155.5317

 1.2748, 2.2812,
0.0000

238.1821,

 0.1642, 0.7637,

276.9359, 194.0514

0.0000

286.4718,
331.1323, 238.4574

■ 0.0000, 0.0000,
0.0000

■ 40.8784, 51.3636,
24.5893

■ 40.8784, 51.3636,
24.5893

■ 38.3826, 50.2003,
18.9764

■ 43.7032, 52.6708,
31.5311

■ 36.1948, 49.1669,
14.6040

■ 46.8690, 54.1214,
39.8760

■ 34.2971, 48.2581,
11.3781


■ 50.3918, 55.7237,
49.6968


■ 32.6677, 47.4648,
9.1902


■ 54.2852, 57.4833,
61.0602


■ 31.2807, 46.7767,
7.9105


■ 58.5621, 59.4056,
74.0289

 30.2532, 46.2586,
7.3343

 63.2348, 61.4954,
88.6619

 67.9902, 63.6277,
103.3056

 70.0648, 64.6972,
103.4027

 72.2227, 65.8096,
103.5037

Harmonies

Analogous

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



48.5503, 51.3636, 20.9334



40.8784, 51.3636, 24.5893



35.8653, 51.3636, 36.1118

Triad

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



40.8784, 51.3636, 24.5893



41.2949, 51.3636, 107.7181



67.0796, 51.3636, 55.1572

Complementary

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



40.8784, 51.3636, 24.5893



28.4658, 22.9139, 57.5691

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.



64.5687, 51.3636, 81.9173



40.8784, 51.3636, 24.5893



49.0898, 51.3636, 117.0995

Square

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



40.8784, 51.3636, 24.5893



36.0854, 51.3636, 83.6553



57.7278, 51.3636, 106.5265



64.2442, 51.3636, 35.1214

Rectangle

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



40.8784, 51.3636, 24.5893



34.3756, 51.3636, 48.8688



57.7278, 51.3636, 106.5265



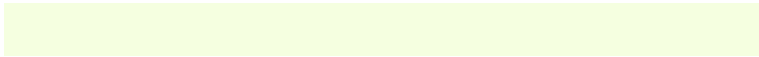
66.8305, 51.3636, 63.6324

Sweetspot

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



40.8797, 51.3659, 24.5904



86.8120, 96.2777, 84.8137



37.1068, 33.7145, 21.3822



18.4018, 20.5259, 17.6442



0.0000, 0.0000, 0.0000



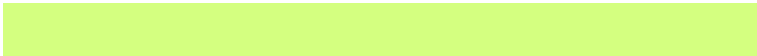
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8797, 51.3659, 24.5904



66.7695, 87.0597, 33.5350



33.2012, 47.4075, 24.2310



11.1629, 12.2309, 11.3352



19.3337, 29.4622, 4.6678



0.9904, 1.4337, 0.2245

Inverse Universe

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



28.4658, 22.9139, 57.5691



42.3940, 31.1322, 98.3824



37.0788, 27.3541, 57.9722



10.3883, 10.4585, 13.3887



8.2078, 3.4655, 34.9807



0.4661, 0.2040, 1.6600

Previews

White Background



This preview shows how the XYZ color 40.8784, 51.3636, 24.5893 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 40.8784, 51.3636, 24.5893 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 40.8784, 51.3636, 24.5893

Background



This preview shows how black text looks on a background with the XYZ color 40.8784, 51.3636, 24.5893.



This preview shows how white text looks on a background with the XYZ color 40.8784, 51.3636, 24.5893.

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

40.8784, 51.3636, 24.5893

Protanopia

46.9104, 50.8528, 22.9659

Deuteranopia

51.9700, 50.9222, 25.1790



Tritanopia

49.2001, 51.4250, 65.0905

Trichromacy



Original Color

40.8784, 51.3636, 24.5893

Protanomaly

44.3554, 50.8242, 23.3919

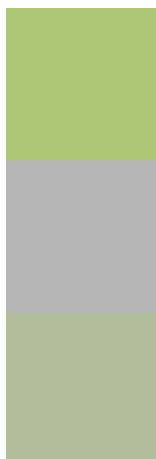
Deuteranomaly

47.3858, 50.7324, 25.0641

Tritanomaly

45.6570, 51.3040, 47.0314

Monochromacy



Original Color

40.8784, 51.3636, 24.5893

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.7292, 48.3288, 39.4241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8784, 51.3636, 24.5893 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(172, 200, 117)` looks like.

```
.text, #text, p{  
    color:rgb(172, 200, 117)  
}
```

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(172, 200, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 200, 117) }
```

Border

The CSS property to change the border of an element to XYZ 40.8784, 51.3636, 24.5893 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(172, 200, 117) }
```


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

```
.border{ border-color:rgb(172, 200, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 200, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 200, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 200, 117);  
box-shadow:4px 4px 4px 4px rgb(172, 200,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8784, 51.3636, 24.5893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 200, 117) }
```

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

```
.background{ background-color: rgb(172,  
200, 117) }
```

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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