

Converting Colors

XYZ(34.1986, 51.0778, 26.2425)

Have a look what the booklet for
XYZ(34.1986, 51.0778, 26.2425)
contains.

XYZ(34.1368, 51.0464, 26.1429)	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(34.1368, 51.0464,
26.1429)**

Conversions

Conversions Part 1

Format	Color
Hex	79D179
RGB	121, 209, 121
RGB Percent	47%, 82%, 47%
CMY	0.5255, 0.1804, 0.5255
CMYK	0.42, 0.00, 0.42, 0.18
HSL	120°, 49%, 65%
HSV	120°, 42%, 82%
XYZ	34.1368, 51.0464, 26.1429
YIQ	172.6560, -24.2000, -46.0240

Conversions

Conversions Part 2

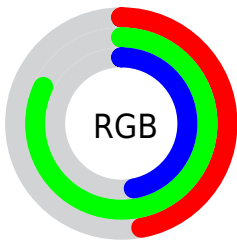
Format	Color
RYB	121, 209, 209
Decimal	7983481
CIELab	76.71, -44.19, 35.53
CIElCh	77, 56.703, 141.196
Yxy	51.0464, 0.3066, 0.4585
Android (android.graphics.Color)	4286173561 (0xFF79D179)
YUV	172.6560, -25.4664, -45.3023
Hunter-Lab	71.4468, -39.7457, 28.3181

Details

The XYZ color **34.1368, 51.0464, 26.1429** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **44.6421, 31.8344, 64.1149**, and the grayscale version is **39.6807, 41.7472, 45.4627**.

A 20% lighter version of the original color is **61.5314, 83.9231, 53.0001**, and **14.8729, 24.6900, 9.9430** is the 20% darker color. If you saturate the color by 10%, you get **30.3733, 49.2401, 19.9861**, and if you desaturate by 10%, it is **38.8150, 53.2951, 33.7940**.

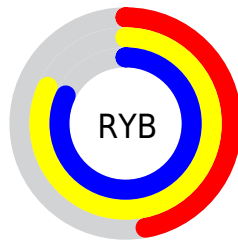
Distribution



Red (47%)

Green (82%)

Blue (47%)



Red (47%)

Yellow (82%)

Blue (82%)

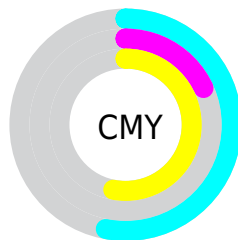


Cyan (42%)

Magenta (0%)

Yellow (42%)

Black (18%)



Cyan (53%)

Magenta (18%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1368, 51.0464, 26.1429 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 34.1368, 51.0464, 26.1429 by changing the saturation by 10% instead.

■ 34.1368, 51.0464,
26.1429

■ 34.1368, 51.0464,
26.1429

312.3168,
390.7440, 297.1106

■ 23.1621, 36.2455,
16.7039

■ 65.4892, 91.7234,
54.4923

■ 14.8346, 24.6239,
9.8639

■ 86.5977, 118.3682,
74.2397

■ 8.7889, 15.7971,
5.2044

■ 111.8147,
149.7299, 98.2604

■ 4.6598, 9.3807,
2.3068

141.5058,
186.1928, 126.9728

■ 2.0817, 4.9903,
0.7350

176.0361,
228.1412, 160.7954

■ 0.6793, 2.2416,
0.0000

215.7712,

■ 0.0000, 0.7425,

275.9597, 200.1470

0.0000

261.0763,
330.0325, 245.4458

■ 0.0000, 0.0000,
0.0000

■ 34.1368, 51.0464,
26.1429

■ 34.1368, 51.0464,
26.1429

■ 30.3733, 49.2401,
19.9861

■ 38.8150, 53.2951,
33.7940

■ 27.4613, 47.8413,
15.2228

■ 44.4583, 56.0059,
43.0246

■ 25.3353, 46.8201,
11.7453


■ 51.1179, 59.2048,
53.9175


■ 23.9191, 46.1399,
9.4288


■ 58.8402, 62.9143,
66.5487

■ 23.1211, 45.7566,
8.1234

■ 67.6690, 67.1552,
80.9896

 22.8015, 45.6030,
7.6006

 77.6455, 71.9474,
97.3077

 82.0915, 74.0830,
104.5805

Harmonies

Analogous

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



41.4270, 51.0464, 16.6608



34.1368, 51.0464, 26.1429



30.8358, 51.0464, 47.0102

Triad

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



34.1368, 51.0464, 26.1429



45.4251, 51.0464, 136.9221



70.4347, 51.0464, 36.8199

Complementary

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



34.1368, 51.0464, 26.1429



44.6421, 31.8344, 64.1149

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.



71.9246, 51.0464, 65.1346



34.1368, 51.0464, 26.1429



56.3754, 51.0464, 130.9822

Square

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



34.1368, 51.0464, 26.1429



36.6919, 51.0464, 115.5950



66.4591, 51.0464, 101.4994



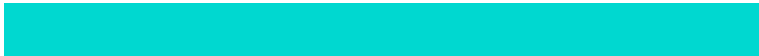
62.6460, 51.0464, 21.0536

Rectangle

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



34.1368, 51.0464, 26.1429



30.9466, 51.0464, 67.8754



66.4591, 51.0464, 101.4994



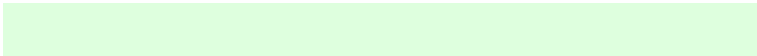
71.7301, 51.0464, 44.8685

Sweetspot

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



34.1381, 51.0485, 26.1440



79.0031, 92.2918, 82.6526



52.5484, 60.5394, 27.0050



16.3887, 19.5039, 16.8385



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.



34.1381, 51.0485, 26.1440



47.9088, 77.3557, 31.7923



37.4785, 52.3847, 43.7344



11.6564, 13.2063, 12.5468



14.0581, 28.1162, 4.6861



0.7860, 1.5721, 0.2620

Inverse Universe

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



44.6421, 31.8344, 64.1149



66.6168, 43.1344, 99.4200



39.9249, 29.9475, 39.2746



12.3108, 12.0091, 14.9127



23.3079, 11.1960, 38.1233



1.3032, 0.6260, 2.1316

Previews

White Background



This preview shows how the XYZ color 34.1368, 51.0464, 26.1429 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 34.1368, 51.0464, 26.1429 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 34.1368, 51.0464, 26.1429

Background



This preview shows how black text looks on a background with the XYZ color 34.1368, 51.0464, 26.1429.



This preview shows how white text looks on a background with the XYZ color 34.1368, 51.0464,

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

34.1368, 51.0464, 26.1429

Protanopia

46.4175, 50.2805, 22.8814

Deuteranopia

51.2689, 50.2086, 27.4111



Tritanopia

43.1469, 50.8187, 71.1532

Trichromacy



Original Color

34.1368, 51.0464, 26.1429



Protanomaly

40.5715, 49.8548, 24.0076



Deuteranomaly

42.8260, 49.3071, 26.6621



Tritanomaly

39.0316, 50.5229, 50.8747

Monochromacy



Original Color

34.1368, 51.0464, 26.1429



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.7181, 44.3209, 37.1914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1368, 51.0464, 26.1429 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(121, 209, 121)` looks like.

```
.text, #text, p{  
    color:rgb(121, 209, 121)  
}
```

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(121, 209, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 209, 121) }
```

Border

The CSS property to change the border of an element to XYZ 34.1368, 51.0464, 26.1429 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(121, 209, 121) }
```


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

```
.border{ border-color:rgb(121, 209, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 209, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 209, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 209, 121);  
box-shadow:4px 4px 4px 4px rgb(121, 209,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1368, 51.0464, 26.1429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 209, 121) }
```

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

```
.background{ background-color: rgb(121,  
209, 121) }
```

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