

Converting Colors

XYZ(38.4437, 51.1547, 24.5300)

Have a look what the booklet for
XYZ(38.4437, 51.1547, 24.5300)
contains.

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Color

**XYZ(38.4714, 51.1643,
24.6777)**

Conversions

Conversions Part 1

Format	Color
Hex	9DCB75
RGB	157, 203, 117
RGB Percent	62%, 80%, 46%
CMY	0.3843, 0.2039, 0.5412
CMYK	0.23, 0.00, 0.42, 0.20
HSL	92°, 45%, 63%
HSV	92°, 42%, 80%
XYZ	38.4714, 51.1643, 24.6777
YIQ	179.4420, 0.1900, -36.4980

Conversions

Conversions Part 2

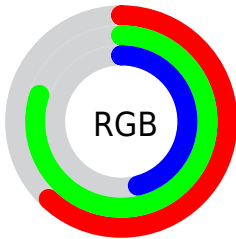
Format	Color
RYB	117, 203, 163
Decimal	10341237
CIELab	76.78, -30.05, 38.02
CIELCh	77, 48.463, 128.317
Yxy	51.1643, 0.3365, 0.4476
Android (android.graphics.Color)	4288531317 (0xFF9DCB75)
YUV	179.4420, -30.7839, -19.6816
Hunter-Lab	71.5292, -29.1714, 29.6153

Details

The XYZ color **38.4714, 51.1643, 24.6777** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.2473, 24.8225, 59.5943**, and the grayscale version is **43.2441, 45.4961, 49.5453**.

A 20% lighter version of the original color is **70.4563, 88.5684, 51.4122**, and **17.4695, 24.8432, 9.1847** is the 20% darker color. If you saturate the color by 10%, you get **35.3799, 49.6954, 18.9640**, and if you desaturate by 10%, it is **42.0126, 52.8383, 31.7655**.

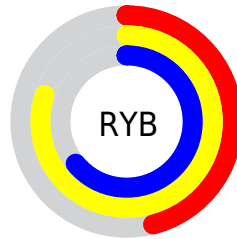
Distribution



Red (62%)

Green (80%)

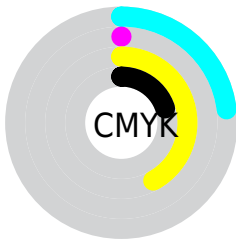
Blue (46%)



Red (46%)

Yellow (80%)

Blue (64%)

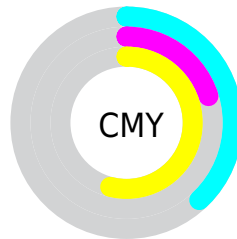


Cyan (23%)

Magenta (0%)

Yellow (42%)

Black (20%)



Cyan (38%)


Magenta (20%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4714, 51.1643, 24.6777 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 38.4714, 51.1643, 24.6777 by changing the saturation by 10% instead.


 38.4714, 51.1643,
24.6777


 38.4714, 51.1643,
24.6777


330.8838,
391.2018, 289.6252


 26.5276, 36.3394,
15.6203


 72.1294, 91.8976,
52.0915

 17.3535, 24.6964,
9.1044


 94.5742, 118.5748,
71.2849

 10.5837, 15.8510,
4.7116


 121.2502,
149.9714, 94.6941

 5.8529, 9.4188,
2.0233

152.5226,
186.4721, 122.7376

 2.7956, 5.0153,
0.5696

188.7569,
228.4610, 155.8339

 1.0466, 2.2563,
0.0000

230.3182,

 0.0000, 0.7504,

276.3227, 194.4016

0.0000

277.5721,
330.4415, 238.8591

■ 0.0000, 0.0000,
0.0000

■ 38.4714, 51.1643,
24.6777

■ 38.4714, 51.1643,
24.6777

■ 35.3799, 49.6954,
18.9640

■ 42.0126, 52.8383,
31.7655

■ 32.7126, 48.4157,
14.5320

■ 46.0199, 54.7192,
40.3054

■ 30.4467, 47.3172,
11.2828


■ 50.5131, 56.8173,
50.3734


■ 28.5551, 46.3884,
9.1020


■ 55.5099, 59.1403,
62.0393


■ 27.0065, 45.6160,
7.8522

■ 61.0269, 61.6951,
75.3684

 26.0155, 45.1156,
7.3370

 67.0800, 64.4886,
90.4226

 73.0160, 67.2601,
103.7419

 76.6714, 69.1445,
103.9129

 80.5488, 71.1434,
104.0944

Harmonies

Analogous

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



46.1172, 51.1643, 19.1267



38.4714, 51.1643, 24.6777



33.9820, 51.1643, 39.0179

Triad

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



38.4714, 51.1643, 24.6777



42.3862, 51.1643, 117.2490



68.3054, 51.1643, 48.7010

Complementary

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



38.4714, 51.1643, 24.6777



32.2473, 24.8225, 59.5943

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.



66.9784, 51.1643, 76.5885



38.4714, 51.1643, 24.6777



51.2327, 51.1643, 122.3297

Square

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



38.4714, 51.1643, 24.6777



36.0359, 51.1643, 93.3691



60.4361, 51.1643, 105.6266



63.8621, 51.1643, 29.8434

Rectangle

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



38.4714, 51.1643, 24.6777



33.0123, 51.1643, 54.2357



60.4361, 51.1643, 105.6266



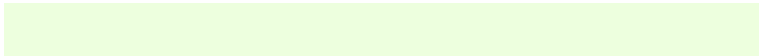
68.5293, 51.1643, 57.2092

Sweetspot

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



38.4727, 51.1665, 24.6788



83.9391, 94.8365, 82.8831



40.9150, 40.1299, 22.4198



17.5940, 20.1253, 16.8948



0.0000, 0.0000, 0.0000



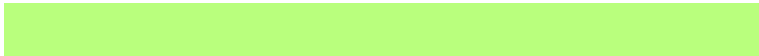
20.3446, 21.4041, 23.3091

Same Dimension

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



38.4727, 51.1665, 24.6788



59.5707, 83.3676, 32.3371



32.0757, 47.8490, 25.2729



11.5557, 12.7884, 11.9388



16.6584, 28.7630, 4.6738



0.9467, 1.5288, 0.2452

Inverse Universe

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



32.2473, 24.8225, 59.5943



47.7583, 33.4124, 98.5398



41.4329, 29.5969, 58.2571



11.1652, 11.1345, 14.1311



10.9476, 4.8513, 36.3157



0.6519, 0.2952, 1.8776

Previews

White Background



This preview shows how the XYZ color 38.4714, 51.1643, 24.6777 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 38.4714, 51.1643, 24.6777 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 38.4714, 51.1643, 24.6777

Background



This preview shows how black text looks on a background with the XYZ color 38.4714, 51.1643, 24.6777.

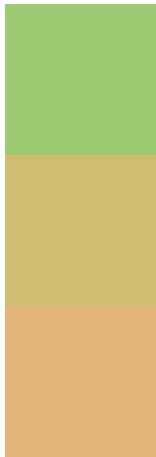


This preview shows how white text looks on a background with the XYZ color 38.4714, 51.1643,

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

38.4714, 51.1643, 24.6777

Protanopia

46.8544, 50.8304, 22.6710

Deuteranopia

51.7153, 50.7838, 25.4889



Tritanopia

46.8124, 50.7994, 67.0125

Trichromacy



Original Color

38.4714, 51.1643, 24.6777

Protanomaly

43.3153, 50.6173, 23.4067

Deuteranomaly

45.9449, 50.3078, 25.0581

Tritanomaly

42.9948, 50.5743, 48.0532

Monochromacy



Original Color

38.4714, 51.1643, 24.6777

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

40.7786, 47.0247, 38.3799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4714, 51.1643, 24.6777 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(157, 203, 117)` looks like.

```
.text, #text, p{  
    color:rgb(157, 203, 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(157, 203, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 203, 117) }
```

Border

The CSS property to change the border of an element to XYZ 38.4714, 51.1643, 24.6777 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(157, 203, 117) }
```


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

```
.border{ border-color:rgb(157, 203, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 203, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 203, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 203, 117);  
box-shadow:4px 4px 4px 4px rgb(157, 203,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4714, 51.1643, 24.6777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 203, 117) }
```

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

```
.background{ background-color: rgb(157,  
203, 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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