

Converting Colors

XYZ(40.7885, 51.2414, 30.6215)

Have a look what the booklet for
XYZ(40.7885, 51.2414, 30.6215)
contains.

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Color

**XYZ(40.7533, 51.1648,
30.6495)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C887
RGB	166, 200, 135
RGB Percent	65%, 78%, 53%
CMY	0.3490, 0.2157, 0.4706
CMYK	0.17, 0.00, 0.33, 0.22
HSL	91°, 37%, 66%
HSV	91°, 33%, 78%
XYZ	40.7533, 51.1648, 30.6495
YIQ	182.4240, 0.6010, -27.4230

Conversions

Conversions Part 2

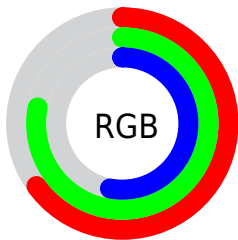
Format	Color
RYB	135, 200, 169
Decimal	10930311
CIELab	76.78, -22.88, 28.89
CIELCh	77, 36.850, 128.375
Yxy	51.1648, 0.3325, 0.4174
Android (android.graphics.Color)	4289120391 (0xFFA6C887)
YUV	182.4240, -23.3800, -14.4038
Hunter-Lab	71.5296, -23.4781, 24.6657

Details

The XYZ color **40.7533, 51.1648, 30.6495** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.4536, 29.9345, 58.5557**, and the grayscale version is **44.8192, 47.1533, 51.3499**.

A 20% lighter version of the original color is **75.0695, 90.7237, 61.6990**, and **18.6892, 24.7086, 12.1717** is the 20% darker color. If you saturate the color by 10%, you get **37.3709, 49.5704, 23.8185**, and if you desaturate by 10%, it is **44.5813, 52.9615, 38.8843**.

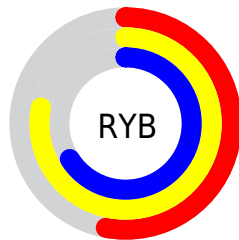
Distribution



Red (65%)

Green (78%)

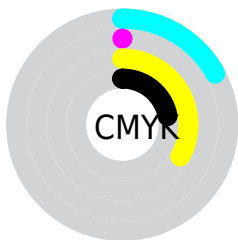
Blue (53%)



Red (53%)

Yellow (78%)

Blue (66%)

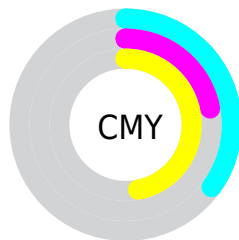


Cyan (17%)

Magenta (0%)

Yellow (33%)

Black (22%)



Cyan (35%)

Magenta (22%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7533, 51.1648, 30.6495 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 40.7533, 51.1648, 30.6495 by changing the saturation by 10% instead.

■ 40.7533, 51.1648,
30.6495

■ 40.7533, 51.1648,
30.6495

340.3687,
391.2037, 319.2213

■ 28.3132, 36.3398,
20.0759

■ 75.5863, 91.8983,
61.7609

■ 18.7035, 24.6967,
12.2656

■ 98.7100, 118.5756,
83.1358

■ 11.5590, 15.8513,
6.8001

■ 126.1255,
149.9725, 108.9482

■ 6.5142, 9.4190,
3.2608

158.1982,
186.4733, 139.6166

■ 3.2038, 5.0154,
1.2293

195.2936,
228.4624, 175.5595

■ 1.2624, 2.2563,
0.0028

237.7768,

■ 0.1548, 0.7504,

276.3242, 217.1956

0.0000

286.0134,
330.4432, 264.9434

■ 0.0000, 0.0000,
0.0000

■ 40.7533, 51.1648,
30.6495

■ 40.7533, 51.1648,
30.6495

■ 37.3709, 49.5704,
23.8185

■ 44.5813, 52.9615,
38.8843

■ 34.4112, 48.1635,
18.3095

■ 48.8688, 54.9614,
48.5918

■ 31.8548, 46.9375,
14.0376


■ 53.6338, 57.1738,
59.8405


■ 29.6788, 45.8828,
10.9065


■ 58.8921, 59.6055,
72.6936

■ 27.8575, 44.9885,
8.8055


■ 64.6587, 62.2629,
87.2105


 26.3609, 44.2420,
7.6021

 70.9471, 65.1519,
103.4440

 25.4140, 43.7639,
7.1078

 74.3827, 66.9230,
103.6048

 78.0228, 68.7996,
103.7751

 79.9453, 69.7907,
103.8651

Harmonies

Analogous

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



46.6988, 51.1648, 25.6413



40.7533, 51.1648, 30.6495



37.1735, 51.1648, 42.6915

Triad

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



40.7533, 51.1648, 30.6495



43.8426, 51.1648, 99.7120



63.1798, 51.1648, 50.2883

Complementary

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



40.7533, 51.1648, 30.6495



35.4536, 29.9345, 58.5557

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.



62.2287, 51.1648, 71.1372



40.7533, 51.1648, 30.6495



50.6150, 51.1648, 103.1402

Square

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



40.7533, 51.1648, 30.6495



38.8345, 51.1648, 83.1920



57.4627, 51.1648, 91.6720



59.9493, 51.1648, 35.0637

Rectangle

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



40.7533, 51.1648, 30.6495



36.3925, 51.1648, 54.6249



57.4627, 51.1648, 91.6720



63.3442, 51.1648, 56.8089

Sweetspot

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



40.7546, 51.1670, 30.6506



86.4743, 96.0223, 88.4718



42.3051, 42.2517, 28.8480



18.2659, 20.4397, 18.3702



0.0000, 0.0000, 0.0000



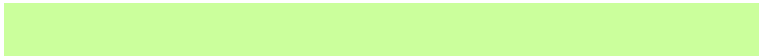
20.3446, 21.4041, 23.3091

Same Dimension

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



40.7546, 51.1670, 30.6506



66.3447, 86.5982, 44.4715



35.0973, 48.2417, 30.7861



10.9706, 12.1318, 11.3262



16.2604, 27.8779, 4.5240



0.8534, 1.3631, 0.2181

Inverse Universe

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



35.4536, 29.9345, 58.5557



55.7560, 44.1945, 100.1995



42.7845, 33.7283, 58.2401



10.5772, 10.5558, 13.3975



10.4091, 4.6003, 35.0837



0.5761, 0.2608, 1.6651

Previews

White Background



This preview shows how the XYZ color 40.7533, 51.1648, 30.6495 looks on a white background.

Color Contrast Check

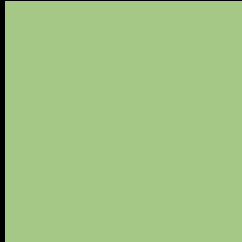
Large Text (above 18pt) WCAG AA × Fail

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 40.7533, 51.1648, 30.6495 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 40.7533, 51.1648, 30.6495

Background



This preview shows how black text looks on a background with the XYZ color 40.7533, 51.1648, 30.6495.



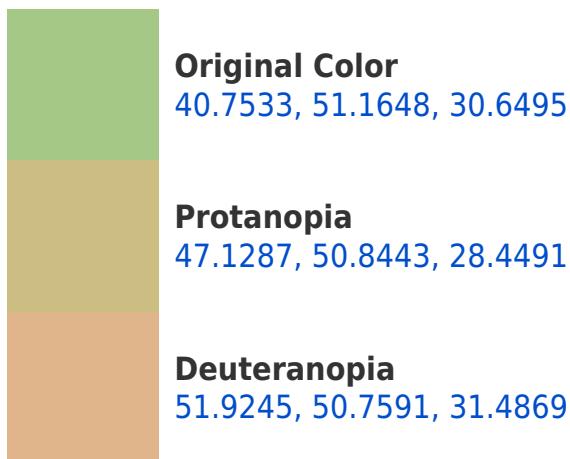
This preview shows how white text looks on a background with the XYZ color 40.7533, 51.1648,

30.6495.

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

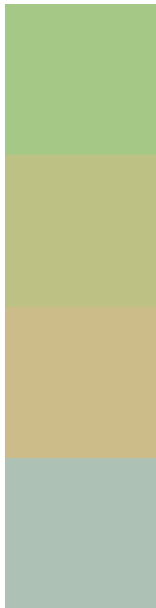




Tritanopia

47.9028, 51.0649, 65.7243

Trichromacy



Original Color

40.7533, 51.1648, 30.6495

Protanomaly

44.4700, 50.7530, 29.2823

Deuteranomaly

47.1993, 50.4979, 31.3042

Tritanomaly

44.7636, 50.7631, 50.6190

Monochromacy



Original Color

40.7533, 51.1648, 30.6495

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.8936, 48.3419, 42.6675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7533, 51.1648, 30.6495 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(166, 200, 135)` looks like.

```
.text, #text, p{  
    color:rgb(166, 200, 135)  
}
```

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(166, 200, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 200, 135) }
```

Border

The CSS property to change the border of an element to XYZ 40.7533, 51.1648, 30.6495 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(166, 200, 135) }
```


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

```
.border{ border-color:rgb(166, 200, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 200, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 200, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 200, 135); box-shadow:4px 4px 4px 4px rgb(166, 200, 135) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7533, 51.1648, 30.6495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 200, 135) }
```

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

```
.background{ background-color: rgb(166,  
200, 135) }
```

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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