

Converting Colors

XYZ(40.8161, 50.2375, 33.4546)

Have a look what the booklet for
XYZ(40.8161, 50.2375, 33.4546)
contains.

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Color

**XYZ(40.6501, 50.0227,
33.4995)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C58F
RGB	166, 197, 143
RGB Percent	65%, 77%, 56%
CMY	0.3490, 0.2274, 0.4392
CMYK	0.16, 0.00, 0.27, 0.23
HSL	94°, 32%, 67%
HSV	94°, 27%, 77%
XYZ	40.6501, 50.0227, 33.4995
YIQ	181.5750, -1.1420, -23.3660

Conversions

Conversions Part 2

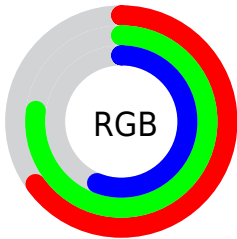
Format	Color
RYB	143, 197, 174
Decimal	10929551
CIELab	76.08, -20.20, 23.75
CIELCh	76, 31.174, 130.381
Yxy	50.0227, 0.3274, 0.4028
Android (android.graphics.Color)	4289119631 (0xFFA6C58F)
YUV	181.5750, -19.0175, -13.6593
Hunter-Lab	70.7267, -21.1791, 21.4262

Details

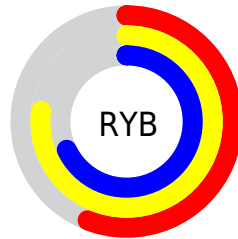
The XYZ color **40.6501, 50.0227, 33.4995** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.3582, 32.6763, 57.1642**, and the grayscale version is **44.3340, 46.6428, 50.7940**.

A 20% lighter version of the original color is **75.6441, 90.4444, 66.2940**, and **18.5643, 23.9283, 13.7654** is the 20% darker color. If you saturate the color by 10%, you get **37.0196, 48.3102, 26.2117**, and if you desaturate by 10%, it is **44.7539, 51.9519, 42.1796**.

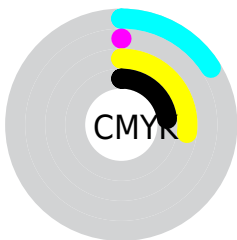
Distribution



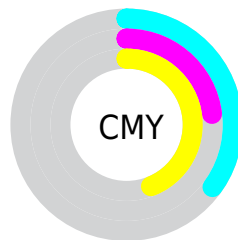
- Red (65%)
- Green (77%)
- Blue (56%)



- Red (56%)
- Yellow (77%)
- Blue (68%)



- Cyan (16%)
- Magenta (0%)
- Yellow (27%)
- Black (23%)





- Cyan (35%)
- Magenta (23%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6501, 50.0227, 33.4995 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 40.6501, 50.0227, 33.4995 by changing the saturation by 10% instead.

 40.6501, 50.0227,
33.4995


 40.6501, 50.0227,
33.4995


339.9437,
386.7547, 332.5953

 28.2322, 35.4314,
22.2351


 75.4305, 90.2085,
66.2796

 18.6421, 23.9954,
13.8298


 98.5238, 116.5718,
88.6323

 11.5145, 15.3302,
7.8650


125.9062,
147.6280, 115.5183

 6.4838, 9.0515,
3.9221

157.9432,
183.7613, 147.3560

 3.1849, 4.7748,
1.5827

195.0001,
225.3563, 184.5641

 1.2523, 2.1157,
0.2785

237.4423,

 0.1471, 0.6734,

272.7972, 227.5609

0.0000

285.6350,
326.4686, 276.7652

■ 0.0000, 0.0000,
0.0000

■ 40.6501, 50.0227,
33.4995

■ 40.6501, 50.0227,
33.4995

■ 37.0196, 48.3102,
26.2117

■ 44.7539, 51.9519,
42.1796

■ 33.8393, 46.7996,
20.2404

■ 49.3450, 54.0991,
52.3160

■ 31.0902, 45.4843,
15.5078

■ 54.4414, 56.4737,
63.9724

■ 28.7499, 44.3546,
11.9264

■ 60.0592, 59.0827,
77.2081

■ 26.7934, 43.4000,
9.3973

■ 66.2137, 61.9326,
92.0789

■ 25.1926, 42.6083,
7.8048

■ 71.9040, 64.6238,
103.2916

■ 23.9097, 41.9637,
6.9861

■ 75.7340, 66.5982,
103.4709

■ 23.6146, 41.8148,
6.8265

■ 79.2573, 68.4146,
103.6358

Harmonies

Analogous

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



45.5547, 50.0227, 28.6102



40.6501, 50.0227, 33.4995



37.7540, 50.0227, 44.3884

Triad

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



40.6501, 50.0227, 33.4995



43.8820, 50.0227, 90.6222



59.4378, 50.0227, 48.8868

Complementary

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



40.6501, 50.0227, 33.4995



37.3582, 32.6763, 57.1642

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.



58.8976, 50.0227, 65.9645



40.6501, 50.0227, 33.4995



49.5926, 50.0227, 92.5129

Square

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



40.6501, 50.0227, 33.4995



39.5117, 50.0227, 78.0091



55.1787, 50.0227, 82.7441



56.5996, 50.0227, 36.2119

Rectangle

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



40.6501, 50.0227, 33.4995



37.1993, 50.0227, 54.6801



55.1787, 50.0227, 82.7441



59.6506, 50.0227, 54.2529

Sweetspot

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



40.6514, 50.0249, 33.5006



87.7593, 96.6010, 92.3151



43.0448, 43.9733, 32.2064



18.5050, 20.5462, 19.1348



0.0000, 0.0000, 0.0000



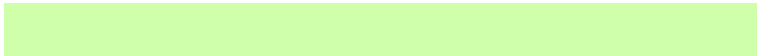
20.3446, 21.4041, 23.3091

Same Dimension

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



40.6514, 50.0249, 33.5006



68.7414, 87.6751, 51.7531



36.5306, 47.8685, 34.7545



10.9186, 12.1050, 11.3238



15.6229, 27.5492, 4.4941



0.8222, 1.3469, 0.2167

Inverse Universe

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



37.3582, 32.6763, 57.1642



61.8468, 51.3744, 101.2643



42.5207, 35.3848, 55.2778



10.6299, 10.5830, 13.4000



11.2138, 5.0152, 35.1213



0.6126, 0.2795, 1.6668

Previews

White Background



This preview shows how the XYZ color 40.6501, 50.0227, 33.4995 looks on a white background.

Color Contrast Check

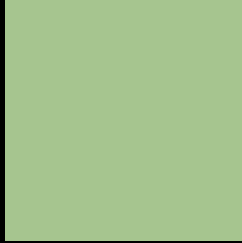
Large Text (above 18pt) WCAG AA × Fail

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 40.6501, 50.0227, 33.4995 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

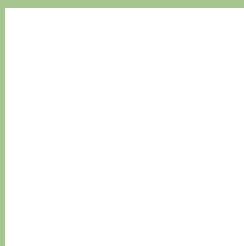
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6501, 50.0227, 33.4995

Background



This preview shows how black text looks on a background with the XYZ color 40.6501, 50.0227, 33.4995.



This preview shows how white text looks on a background with the XYZ color 40.6501, 50.0227,

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

40.6501, 50.0227, 33.4995

Protanopia

46.5179, 49.8222, 31.5910

Deuteranopia

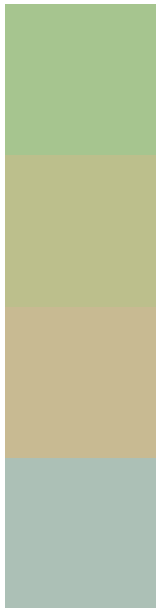
50.8011, 49.8092, 34.5404



Tritanopia

46.7759, 49.8688, 64.2870

Trichromacy



Original Color

40.6501, 50.0227, 33.4995

Protanomaly

44.1035, 49.8464, 32.1078

Deuteranomaly

46.5666, 49.4725, 34.2890

Tritanomaly

44.3064, 49.8473, 51.5423

Monochromacy



Original Color

40.6501, 50.0227, 33.4995

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.7427, 47.5979, 43.9803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6501, 50.0227, 33.4995 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, 197, 143)` looks like.

```
.text, #text, p{  
    color:rgb(166, 197, 143)  
}
```

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, 197, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 197, 143) }
```

Border

The CSS property to change the border of an element to XYZ 40.6501, 50.0227, 33.4995 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, 197, 143) }
```


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

```
.border{ border-color:rgb(166, 197, 143) }
```

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

Here you see how a box with a 4 pixel rgb(166, 197, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 197, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 197, 143);  
box-shadow:4px 4px 4px 4px rgb(166, 197,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6501, 50.0227, 33.4995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 197, 143) }
```

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

```
.background{ background-color: rgb(166,  
197, 143) }
```

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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