

Converting Colors

XYZ(40.9510, 50.5187, 30.6215)

Have a look what the booklet for
XYZ(40.9510, 50.5187, 30.6215)
contains.

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Color

**XYZ(40.9294, 50.5725,
30.5259)**

Conversions

Conversions Part 1

Format	Color
Hex	A9C687
RGB	169, 198, 135
RGB Percent	66%, 78%, 53%
CMY	0.3373, 0.2235, 0.4706
CMYK	0.15, 0.00, 0.32, 0.22
HSL	88°, 36%, 65%
HSV	88°, 32%, 78%
XYZ	40.9294, 50.5725, 30.5259
YIQ	182.1470, 2.9390, -25.7410

Conversions

Conversions Part 2

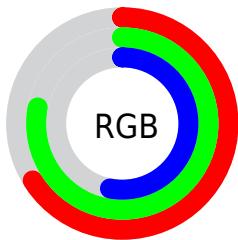
Format	Color
RYB	135, 198, 164
Decimal	11126407
CIELab	76.42, -20.78, 28.45
CIELCh	76, 35.230, 126.155
Yxy	50.5725, 0.3354, 0.4144
Android (android.graphics.Color)	4289316487 (0xFFA9C687)
YUV	182.1470, -23.2435, -11.5299
Hunter-Lab	71.1143, -21.7156, 24.3298

Details

The XYZ color **40.9294, 50.5725, 30.5259** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.1691, 29.2991, 57.2834**, and the grayscale version is **44.6662, 46.9923, 51.1746**.

A 20% lighter version of the original color is **75.9966, 91.2017, 61.7423**, and **18.8154, 24.3154, 12.2960** is the 20% darker color. If you saturate the color by 10%, you get **37.7754, 49.0945, 23.7657**, and if you desaturate by 10%, it is **44.4816, 52.2290, 38.6602**.

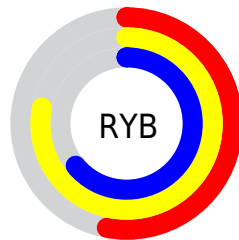
Distribution



Red (66%)

Green (78%)

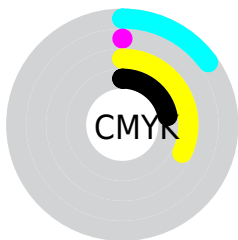
Blue (53%)



Red (53%)

Yellow (78%)

Blue (64%)

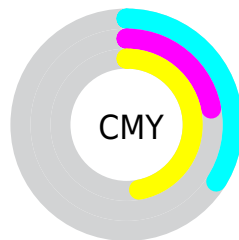


Cyan (15%)

Magenta (0%)

Yellow (32%)

Black (22%)



Cyan (34%)


Magenta (22%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9294, 50.5725, 30.5259 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 40.9294, 50.5725, 30.5259 by changing the saturation by 10% instead.


 40.9294, 50.5725,
30.5259


 40.9294, 50.5725,
30.5259


341.0931,
388.9006, 318.6314


 28.4514, 35.8685,
19.9827


 75.8521, 91.0225,
61.5637

 18.8084, 24.3327,
12.1985


 99.0274, 117.5374,
82.8953

 11.6351, 15.5806,
6.7548


 126.4993,
148.7579, 108.6601

 6.5661, 9.2278,
3.2331

158.6329,
185.0686, 139.2767

 3.2362, 4.8901,
1.2149

195.7938,
226.8538, 175.1636

 1.2799, 2.1829,
0.0000

238.3472,

 0.1681, 0.7107,

274.4980, 216.7393

0.0000

286.6585,
328.3854, 264.4224

■ 0.0000, 0.0000,
0.0000

■ 40.9294, 50.5725,
30.5259

■ 40.9294, 50.5725,
30.5259

■ 37.7754, 49.0945,
23.7657

■ 44.4816, 52.2290,
38.6602

■ 34.9987, 47.7811,
18.3003

■ 48.4442, 54.0639,
48.2353

■ 32.5818, 46.6268,
14.0475


■ 52.8334, 56.0859,
59.3178


■ 30.5041, 45.6229,
10.9142


■ 57.6634, 58.3008,
71.9689


■ 28.7425, 44.7599,
8.7937


■ 62.9476, 60.7144,
86.2465

 27.2696, 44.0264,
7.5587

 68.6989, 63.3320,
102.2056

 26.2404, 43.5068,
7.0146

 71.7872, 64.9019,
103.3515

 74.8373, 66.4743,
103.4942

 78.0434, 68.1271,
103.6443

Harmonies

Analogous

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



46.7132, 50.5725, 26.1491



40.9294, 50.5725, 30.5259



37.3212, 50.5725, 41.5801

Triad

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



40.9294, 50.5725, 30.5259



43.0942, 50.5725, 95.6822



61.8948, 50.5725, 51.2408

Complementary

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



40.9294, 50.5725, 30.5259



34.1691, 29.2991, 57.2834

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.



60.7012, 50.5725, 71.1891



40.9294, 50.5725, 30.5259



49.4481, 50.5725, 99.9456

Square

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



40.9294, 50.5725, 30.5259



38.4883, 50.5725, 79.5460



55.9910, 50.5725, 90.1329



59.1176, 50.5725, 36.2053

Rectangle

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



40.9294, 50.5725, 30.5259



36.4330, 50.5725, 52.6519



55.9910, 50.5725, 90.1329



61.9479, 50.5725, 57.5505

Sweetspot

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



40.9307, 50.5747, 30.5270



87.0249, 96.3062, 88.4975



40.8233, 40.0757, 28.5061



18.3991, 20.5083, 18.3764



0.0000, 0.0000, 0.0000



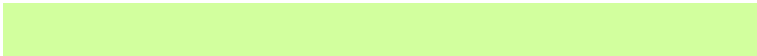
20.3446, 21.4041, 23.3091

Same Dimension

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



40.9307, 50.5747, 30.5270



68.6297, 87.7510, 45.7134



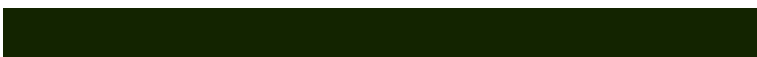
35.0749, 47.5559, 30.2529



11.0350, 12.1650, 11.3292



17.1636, 28.3435, 4.5662



0.8956, 1.3848, 0.2201

Inverse Universe

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



34.1691, 29.2991, 57.2834



54.8436, 44.3637, 100.2802



41.3260, 32.9887, 57.6183



10.5129, 10.5227, 13.3945



9.5408, 4.1527, 35.0431



0.5351, 0.2396, 1.6632

Previews

White Background



This preview shows how the XYZ color 40.9294, 50.5725, 30.5259 looks on a white background.

Color Contrast Check

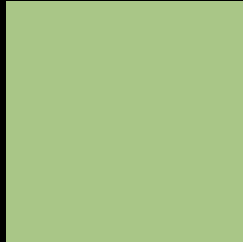
Large Text (above 18pt) WCAG AA × Fail

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 40.9294, 50.5725, 30.5259 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

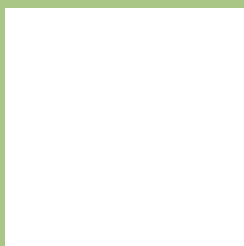
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9294, 50.5725, 30.5259

Background



This preview shows how black text looks on a background with the XYZ color 40.9294, 50.5725, 30.5259.



This preview shows how white text looks on a background with the XYZ color 40.9294, 50.5725,

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

40.9294, 50.5725, 30.5259

Protanopia

46.7086, 50.3016, 28.7201

Deuteranopia

51.1057, 50.0362, 31.3905



Tritanopia

47.6871, 50.3385, 64.3297

Trichromacy



Original Color

40.9294, 50.5725, 30.5259

Protanomaly

44.5004, 50.4416, 29.2206

Deuteranomaly

46.9864, 50.0721, 31.2332

Tritanomaly

44.6655, 50.0679, 49.9578

Monochromacy



Original Color

40.9294, 50.5725, 30.5259

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.9062, 48.0302, 42.6067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9294, 50.5725, 30.5259 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(169, 198, 135)` looks like.

```
.text, #text, p{  
    color:rgb(169, 198, 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(169, 198, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 198, 135) }
```

Border

The CSS property to change the border of an element to XYZ 40.9294, 50.5725, 30.5259 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(169, 198, 135) }
```


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

```
.border{ border-color:rgb(169, 198, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 198, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 198, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 198, 135); box-shadow:4px 4px 4px 4px rgb(169, 198, 135) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9294, 50.5725, 30.5259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 198, 135) }
```

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

```
.background{ background-color: rgb(169,  
198, 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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