

Converting Colors

XYZ(32.8914, 46.0675, 29.2269)

Have a look what the booklet for
XYZ(32.8914, 46.0675, 29.2269)
contains.

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Color

**XYZ(32.9523, 46.1380,
29.3591)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7FC585 |
| RGB | 127, 197, 133 |
| RGB Percent | 50%, 77%, 52% |
| CMY | 0.5020, 0.2274, 0.4784 |
| CMYK | 0.36, 0.00, 0.32, 0.23 |
| HSL | 125°, 38%, 64% |
| HSV | 125°, 36%, 77% |
| XYZ | 32.9523, 46.1380, 29.3591 |
| YIQ | 168.7740, -21.1760, -34.7440 |

Conversions

Conversions Part 2

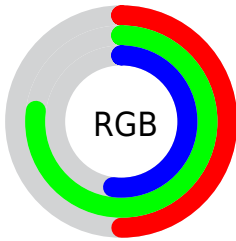
| Format | Color |
|-------------------------------------|--|
| RYB | 127, 191, 197 |
| Decimal | 8373637 |
| CIELab | 73.63, -35.11, 25.33 |
| CIElCh | 74, 43.292, 144.183 |
| Yxy | 46.1380, 0.3038, 0.4254 |
| Android (android.graphics.Color) | 4286563717 (0xFF7FC585) |
| YUV | 168.7740, -17.6366, -36.6358 |
| Hunter-Lab | 67.9250, -32.2733, 21.9206 |

Details

The XYZ color **32.9523, 46.1380, 29.3591** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.0208, 30.8116, 53.1298**, and the grayscale version is **37.6932, 39.6562, 43.1856**.

A 20% lighter version of the original color is **63.7029, 84.4166, 59.9502**, and **14.2078, 21.7253, 11.6282** is the 20% darker color. If you saturate the color by 10%, you get **29.1607, 44.3164, 23.2338**, and if you desaturate by 10%, it is **37.5333, 48.3446, 36.6372**.

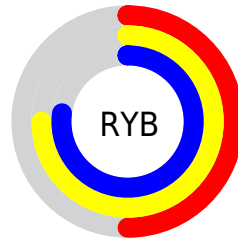
Distribution



Red (50%)

Green (77%)

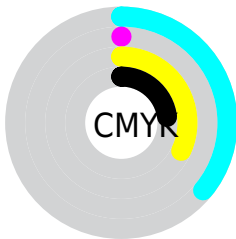
Blue (52%)



Red (50%)

Yellow (75%)

Blue (77%)

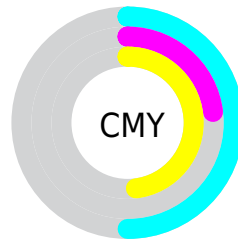


Cyan (36%)

Magenta (0%)

Yellow (32%)

Black (23%)



Cyan (50%)

Magenta (23%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9523, 46.1380, 29.3591 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 32.9523, 46.1380, 29.3591 by changing the saturation by 10% instead.

■ 32.9523, 46.1380,
29.3591

■ 32.9523, 46.1380,
29.3591

307.1035,
371.3632, 313.0193

■ 22.2490, 32.3547,
19.1047

■ 63.6562, 84.4255,
59.6961

■ 14.1576, 21.6326,
11.5684

■ 84.3875, 109.6985,
80.6158

■ 8.3128, 13.5872,
6.3316

■ 109.1922,
139.5702, 105.9278

■ 4.3492, 7.8341,
2.9757

138.4356,
174.4250, 136.0504

■ 1.9015, 3.9890,
1.0822

172.4831,
214.6473, 171.4024

■ 0.5777, 1.6674,
0.0000

211.7000,

■ 0.0000, 0.4024,

260.6215, 212.4022

0.0000

256.4517,
312.7320, 259.4683

■ 0.0000, 0.0000,
0.0000

■ 32.9523, 46.1380,
29.3591

■ 32.9523, 46.1380,
29.3591

■ 29.1607, 44.3164,
23.2338

■ 37.5333, 48.3446,
36.6372

■ 26.1106, 42.8522,
18.1993

■ 42.9412, 50.9503,
45.1197

■ 23.7542, 41.7237,
14.1924


■ 49.2153, 53.9757,
54.8588


■ 22.0366, 40.9040,
11.1425


■ 56.3913, 57.4380,
65.9027


■ 20.8948, 40.3623,
8.9696

■ 64.5029, 61.3538,
78.2972

 20.2520, 40.0610,
7.5811

 73.5822, 65.7386,
92.0857

 20.0675, 39.9744,
7.1839

 79.2572, 68.4143,
103.6357

Harmonies

Analogous

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



38.0868, 46.1380, 20.7266



32.9523, 46.1380, 29.3591



30.7613, 46.1380, 46.0779

Triad

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



32.9523, 46.1380, 29.3591



42.3756, 46.1380, 105.0302



58.7220, 46.1380, 34.8503

Complementary

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



32.9523, 46.1380, 29.3591



40.0208, 30.8116, 53.1298

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.



60.2140, 46.1380, 54.6379



32.9523, 46.1380, 29.3591



50.1731, 46.1380, 99.4303

Square

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



32.9523, 46.1380, 29.3591



35.7794, 46.1380, 92.8365



56.9256, 46.1380, 79.2141



53.0575, 46.1380, 23.1896

Rectangle

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



32.9523, 46.1380, 29.3591



31.0571, 46.1380, 61.3071



56.9256, 46.1380, 79.2141



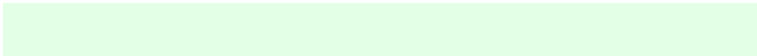
59.7538, 46.1380, 40.5858

Sweetspot

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



32.9535, 46.1399, 29.3601



81.6152, 93.5197, 88.1381



45.3267, 52.5651, 27.8361



17.1442, 19.8604, 18.3603



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.



32.9535, 46.1399, 29.3601



53.3942, 79.9297, 43.5141



35.7723, 47.2675, 44.2039



10.5338, 11.9024, 11.4950



13.2119, 26.2971, 4.7946



0.6386, 1.2504, 0.2956

Inverse Universe

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



40.0208, 30.8116, 53.1298



67.9922, 48.2472, 92.5964



36.6316, 29.4559, 35.2824



11.0424, 10.8003, 13.2064



20.5868, 9.9843, 29.3637



0.9866, 0.4775, 1.4527

Previews

White Background



This preview shows how the XYZ color 32.9523, 46.1380, 29.3591 looks on a white background.

Color Contrast Check

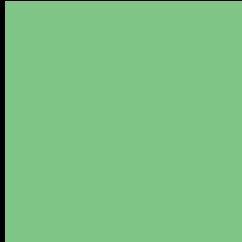
Large Text (above 18pt) WCAG AA × Fail

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 32.9523, 46.1380, 29.3591 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 32.9523, 46.1380, 29.3591

Background



This preview shows how black text looks on a background with the XYZ color 32.9523, 46.1380, 29.3591.



This preview shows how white text looks on a background with the XYZ color 32.9523, 46.1380,

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

32.9523, 46.1380, 29.3591

Protanopia

42.3353, 45.6182, 26.3125

Deuteranopia

46.3950, 45.5710, 30.3956



Tritanopia

39.7472, 45.9410, 63.2725

Trichromacy



Original Color

32.9523, 46.1380, 29.3591



Protanomaly

38.0989, 45.2488, 27.4948



Deuteranomaly

39.9943, 44.9368, 29.8583



Tritanomaly

36.8200, 45.7102, 49.0018

Monochromacy



Original Color

32.9523, 46.1380, 29.3591



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.4473, 41.5105, 37.5966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9523, 46.1380, 29.3591 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(127, 197, 133)` looks like.

```
.text, #text, p{  
    color:rgb(127, 197, 133)  
}
```

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(127, 197, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 197, 133) }
```

Border

The CSS property to change the border of an element to XYZ 32.9523, 46.1380, 29.3591 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(127, 197, 133) }
```


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

```
.border{ border-color:rgb(127, 197, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 197, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 197, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 197, 133); box-shadow:4px 4px 4px 4px rgb(127, 197, 133) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9523, 46.1380, 29.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 197, 133) }
```

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

```
.background{ background-color: rgb(127,  
197, 133) }
```

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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