

Converting Colors

XYZ(32.0526, 54.6360, 18.1606)

Have a look what the booklet for
XYZ(32.0526, 54.6360, 18.1606)
contains.

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Color

**XYZ(32.1321, 54.7446,
18.1058)**

Conversions

Conversions Part 1

Format	Color
Hex	5DDD58
RGB	93, 221, 88
RGB Percent	36%, 87%, 35%
CMY	0.6353, 0.1333, 0.6549
CMYK	0.58, 0.00, 0.60, 0.13
HSL	118°, 66%, 61%
HSV	118°, 60%, 87%
XYZ	32.1321, 54.7446, 18.1058
YIQ	167.5660, -33.5950, -68.4990

Conversions

Conversions Part 2

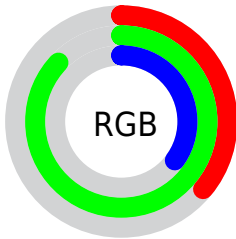
Format	Color
RYB	88, 221, 216
Decimal	6151512
CIELab	78.89, -60.71, 53.63
CIELCh	79, 81.007, 138.544
Yxy	54.7446, 0.3061, 0.5215
Android (android.graphics.Color)	4284341592 (0xFF5DDD58)
YUV	167.5660, -39.2260, -65.3944
Hunter-Lab	73.9896, -51.9631, 37.2840

Details

The XYZ color **32.1321, 54.7446, 18.1058** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **44.8629, 26.8009, 71.2180**, and the grayscale version is **37.2057, 39.1433, 42.6271**.

A 20% lighter version of the original color is **53.9689, 80.3430, 38.2545**, and **13.7534, 27.0339, 5.8597** is the 20% darker color. If you saturate the color by 10%, you get **29.4905, 53.4746, 13.9067**, and if you desaturate by 10%, it is **35.6524, 56.4387, 23.7964**.

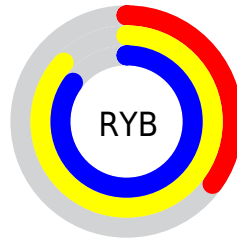
Distribution



Red (36%)

Green (87%)

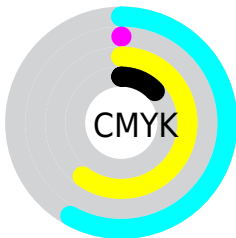
Blue (35%)



Red (35%)

Yellow (87%)

Blue (85%)

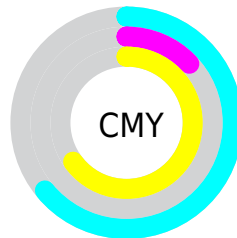


Cyan (58%)

Magenta (0%)

Yellow (60%)

Black (13%)



Cyan (64%)

Magenta (13%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1321, 54.7446, 18.1058 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 32.1321, 54.7446, 18.1058 by changing the saturation by 10% instead.

■ 32.1321, 54.7446,
18.1058

■ 32.1321, 54.7446,
18.1058

303.4552,
404.9431, 253.7228

■ 21.6185, 39.1973,
10.8557

■ 62.3819, 97.1667,
41.0339

■ 13.6918, 26.9132,
5.8570

■ 82.8488, 124.8102,
57.5490

■ 7.9869, 17.5081,
2.6909

■ 107.3641,
157.2546, 77.9896

■ 4.1383, 10.5974,
0.9389

■ 136.2933,
194.8842, 102.7741

■ 1.7807, 5.7968,
0.0000

170.0016,
238.0834, 132.3212

■ 0.5060, 2.7219,
0.0000

208.8545,

■ 0.0000, 0.9883,

287.2368, 167.0493

0.0000

253.2172,
342.7285, 207.3770

■ 0.0000, 0.0000,
0.0000

■ 32.1321, 54.7446,
18.1058

■ 32.1321, 54.7446,
18.1058

■ 29.4905, 53.4746,
13.9067

■ 35.6524, 56.4387,
23.7964

■ 27.6467, 52.5853,
11.0564

■ 40.1154, 58.5825,
31.0967

■ 26.5116, 52.0358,
9.3907

■ 45.5835, 61.2074,
40.1171

■ 25.9615, 51.7686,
8.6240

■ 52.1130, 64.3403,
50.9574

■ 59.7556, 68.0059,
63.7097

■ 68.5600, 72.2274,
78.4599

■ 78.5717, 77.0265,
95.2887

■ 85.1475, 80.1951,
105.5992

Harmonies

Analogous

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



42.8071, 54.7446, 8.9037



32.1321, 54.7446, 18.1058



27.2344, 54.7446, 43.6955

Triad

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



32.1321, 54.7446, 18.1058



46.1314, 54.7446, 195.3019



87.1909, 54.7446, 35.6501

Complementary

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



32.1321, 54.7446, 18.1058



44.8629, 26.8009, 71.2180

Split Complementary

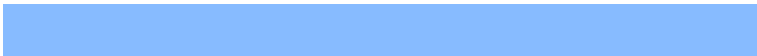
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5941, 54.7446, 78.9779



32.1321, 54.7446, 18.1058



62.4977, 54.7446, 189.1179

Square

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



32.1321, 54.7446, 18.1058



34.1323, 54.7446, 153.6341



78.8124, 54.7446, 139.5368



75.3010, 54.7446, 14.8283

Rectangle

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



32.1321, 54.7446, 18.1058



27.0577, 54.7446, 73.7538



78.8124, 54.7446, 139.5368



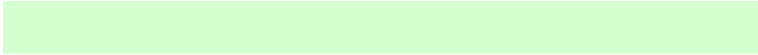
88.9836, 54.7446, 47.3968

Sweetspot

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



32.1334, 54.7469, 18.1070



74.0947, 89.9514, 73.8437



55.7179, 64.3500, 18.7176



15.2393, 18.9558, 14.7731



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.



32.1334, 54.7469, 18.1070



40.0765, 73.6124, 18.1251



35.2162, 55.9235, 36.8947



12.9315, 14.6294, 13.8678



15.1019, 30.0828, 5.0106



0.9947, 1.9573, 0.3254

Inverse Universe

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



44.8629, 26.8009, 71.2180



59.0765, 31.7527, 97.6230



39.7567, 24.9316, 36.5064



13.5635, 13.2486, 16.4945



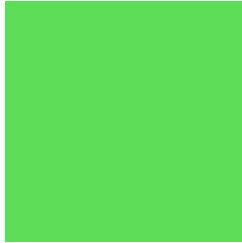
23.4938, 11.2357, 40.6688



1.5374, 0.7358, 2.6354

Previews

White Background



This preview shows how the XYZ color 32.1321, 54.7446, 18.1058 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 32.1321, 54.7446, 18.1058 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 32.1321, 54.7446, 18.1058

Background



This preview shows how black text looks on a background with the XYZ color 32.1321, 54.7446, 18.1058.

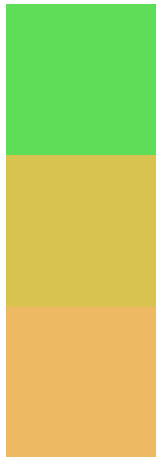


This preview shows how white text looks on a background with the XYZ color 32.1321, 54.7446,

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

32.1321, 54.7446, 18.1058

Protanopia

49.0587, 53.7617, 15.3808

Deuteranopia

54.8610, 53.7759, 19.2927



Tritanopia

44.0795, 54.2926, 78.6773

Trichromacy



Original Color

32.1321, 54.7446, 18.1058



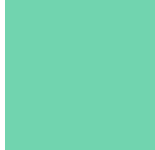
Protanomaly

39.9488, 52.4682, 16.2055



Deuteranomaly

42.2672, 51.5287, 18.5448



Tritanomaly

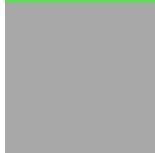
38.0914, 53.6928, 48.9136

Monochromacy



Original Color

32.1321, 54.7446, 18.1058



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

33.4150, 43.0674, 30.9778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1321, 54.7446, 18.1058 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(93, 221, 88)` looks like.

```
.text, #text, p{  
    color:rgb(93, 221, 88)  
}
```

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(93, 221, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 221, 88) }
```

Border

The CSS property to change the border of an element to XYZ 32.1321, 54.7446, 18.1058 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(93, 221, 88) }
```


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

```
.border{ border-color:rgb(93, 221, 88) }
```

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

Here you see how a box with a 4 pixel rgb(93, 221, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 221, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 221, 88);  
box-shadow:4px 4px 4px 4px rgb(93, 221,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1321, 54.7446, 18.1058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 221, 88) }
```

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

```
.background{ background-color: rgb(93, 221,  
88) }
```

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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