

Converting Colors

XYZ(32.7108, 53.3313, 17.1185)

Have a look what the booklet for
XYZ(32.7108, 53.3313, 17.1185)
contains.

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Color

**XYZ(32.8830, 53.5966,
17.2064)**

Conversions

Conversions Part 1

Format	Color
Hex	6ED955
RGB	110, 217, 85
RGB Percent	43%, 85%, 33%
CMY	0.5686, 0.1490, 0.6667
CMYK	0.49, 0.00, 0.61, 0.15
HSL	109°, 63%, 59%
HSV	109°, 61%, 85%
XYZ	32.8830, 53.5966, 17.2064
YIQ	169.9590, -21.4000, -63.7360

Conversions

Conversions Part 2

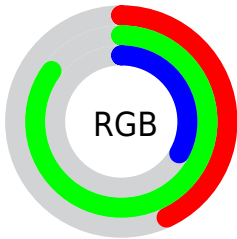
Format	Color
RYB	85, 217, 192
Decimal	7264597
CIELab	78.23, -55.14, 54.33
CIELCh	78, 77.409, 135.424
Yxy	53.5966, 0.3171, 0.5169
Android (android.graphics.Color)	4285454677 (0xFF6ED955)
YUV	169.9590, -41.8848, -52.5840
Hunter-Lab	73.2097, -47.9416, 37.3119

Details

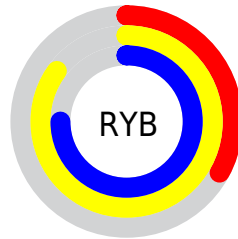
The XYZ color **32.8830, 53.5966, 17.2064** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **37.5139, 22.7150, 68.0558**, and the grayscale version is **38.3992, 40.3989, 43.9944**.

A 20% lighter version of the original color is **56.7824, 81.8191, 37.2260**, and **14.0812, 26.1544, 5.4048** is the 20% darker color. If you saturate the color by 10%, you get **30.1743, 52.2866, 13.2492**, and if you desaturate by 10%, it is **36.2930, 55.2408, 22.5782**.

Distribution



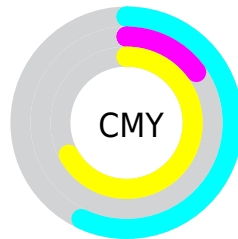
- Red (43%)
- Green (85%)
- Blue (33%)



- Red (33%)
- Yellow (85%)
- Blue (75%)



- Cyan (49%)
- Magenta (0%)
- Yellow (61%)
- Black (15%)



- Cyan (57%)
- Magenta (15%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8830, 53.5966, 17.2064 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 32.8830, 53.5966, 17.2064 by changing the saturation by 10% instead.

■ 32.8830, 53.5966,
17.2064

■ 32.8830, 53.5966,
17.2064

306.7965,
400.5699, 248.4431

■ 22.1956, 38.2792,
10.2182

■ 63.5487, 95.4817,
39.4758

■ 14.1181, 26.1995,
5.4364

■ 84.2578, 122.8182,
55.5942

■ 8.2851, 16.9729,
2.4423

■ 109.0381,
154.9299, 75.5930

■ 4.3313, 10.2152,
0.8094

■ 138.2551,
192.2012, 99.8908

■ 1.8912, 5.5419,
0.0000

172.2741,
235.0164, 128.9062

■ 0.5717, 2.5686,
0.0000

211.4604,

■ 0.0000, 0.9109,

283.7600, 163.0577

0.0000

256.1794,
338.8163, 202.7638

■ 0.0000, 0.0000,
0.0000

■ 32.8830, 53.5966,
17.2064

■ 32.8830, 53.5966,
17.2064

■ 30.1743, 52.2866,
13.2492

■ 36.2930, 55.2408,
22.5782

■ 28.1123, 51.2808,
10.5699

■ 40.4462, 57.2334,
29.4775

■ 26.6397, 50.5546,
9.0112

■ 45.3854, 59.5960,
38.0097

■ 25.7321, 50.1012,
8.3143

■ 51.1491, 62.3461,
48.2701

■ 57.7732, 65.5005,
60.3465

■ 65.2915, 69.0748,
74.3207

■ 73.7357, 73.0837,
90.2698

■ 82.5501, 77.3068,
105.1786

■ 84.1039, 78.1079,
105.2513

Harmonies

Analogous

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



43.5811, 53.5966, 9.2237



32.8830, 53.5966, 17.2064



27.6319, 53.5966, 39.7808

Triad

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



32.8830, 53.5966, 17.2064



43.9576, 53.5966, 182.0468



84.4956, 53.5966, 38.8639

Complementary

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



32.8830, 53.5966, 17.2064



37.5139, 22.7150, 68.0558

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.



84.6521, 53.5966, 81.9693



32.8830, 53.5966, 17.2064



59.0882, 53.5966, 181.3653

Square

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



32.8830, 53.5966, 17.2064



33.1113, 53.5966, 140.2297



74.6347, 53.5966, 138.6689



74.2421, 53.5966, 16.8224

Rectangle

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



32.8830, 53.5966, 17.2064



27.0986, 53.5966, 66.6036



74.6347, 53.5966, 138.6689



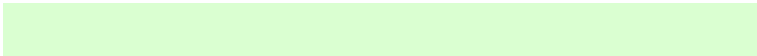
85.7894, 53.5966, 50.8220

Sweetspot

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



32.8843, 53.5989, 17.2076



76.1323, 91.0018, 73.9390



48.8010, 52.4975, 16.1561



15.7256, 19.2066, 14.7959



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.



32.8843, 53.5989, 17.2076



42.5502, 74.8969, 17.8198



32.2370, 53.0299, 27.8064



13.1155, 14.7243, 13.8764



15.6424, 30.3614, 5.0359



1.0819, 2.0023, 0.3295

Inverse Universe

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



37.5139, 22.7150, 68.0558



49.6082, 26.6343, 97.1340



39.8415, 24.4405, 44.4241



13.3601, 13.1438, 16.4850



18.4920, 8.6572, 40.4348



1.2616, 0.5936, 2.6225

Previews

White Background



This preview shows how the XYZ color 32.8830, 53.5966, 17.2064 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 32.8830, 53.5966, 17.2064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

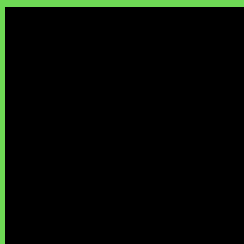
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.8830, 53.5966, 17.2064

Background



This preview shows how black text looks on a background with the XYZ color 32.8830, 53.5966, 17.2064.

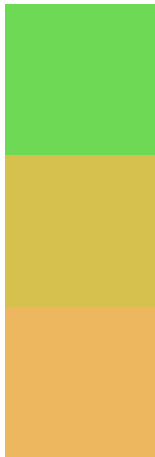


This preview shows how white text looks on a background with the XYZ color 32.8830, 53.5966,

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

32.8830, 53.5966, 17.2064

Protanopia

47.9563, 52.5455, 14.8224

Deuteranopia

53.9241, 52.6977, 18.1560



Tritanopia

44.4275, 53.1134, 75.6205

Trichromacy



Original Color

32.8830, 53.5966, 17.2064



Protanomaly

40.2763, 51.5975, 15.6211



Deuteranomaly

42.8893, 50.8619, 17.4544



Tritanomaly

38.6590, 52.5641, 46.6364

Monochromacy



Original Color

32.8830, 53.5966, 17.2064



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.6433, 43.7006, 31.0353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8830, 53.5966, 17.2064 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(110, 217, 85)` looks like.

```
.text, #text, p{  
    color:rgb(110, 217, 85)  
}
```

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(110, 217, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 217, 85) }
```

Border

The CSS property to change the border of an element to XYZ 32.8830, 53.5966, 17.2064 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(110, 217, 85) }
```


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

```
.border{ border-color:rgb(110, 217, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 217, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 217, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 217, 85);  
box-shadow:4px 4px 4px 4px rgb(110, 217,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8830, 53.5966, 17.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 217, 85) }
```

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

```
.background{ background-color: rgb(110,  
217, 85) }
```

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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