

Converting Colors

XYZ(18.6785, 32.9457, 12.6302)

Have a look what the booklet for
XYZ(18.6785, 32.9457, 12.6302)
contains.

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Color

**XYZ(18.5655, 32.7512,
12.5508)**

Conversions

Conversions Part 1

Format	Color
Hex	35B14E
RGB	53, 177, 78
RGB Percent	21%, 69%, 31%
CMY	0.7921, 0.3059, 0.6941
CMYK	0.70, 0.00, 0.56, 0.31
HSL	132°, 54%, 45%
HSV	132°, 70%, 69%
XYZ	18.5655, 32.7512, 12.5508
YIQ	128.6380, -42.1250, -57.0770

Conversions

Conversions Part 2

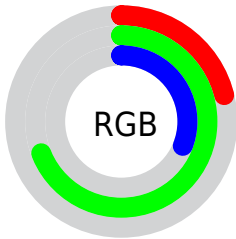
Format	Color
RYB	53, 156, 177
Decimal	3518798
CIELab	63.96, -54.54, 40.53
CIELCh	64, 67.950, 143.387
Yxy	32.7512, 0.2907, 0.5128
Android (android.graphics.Color)	4281708878 (0xFF35B14E)
YUV	128.6380, -24.9645, -66.3345
Hunter-Lab	57.2287, -42.2431, 27.0572

Details

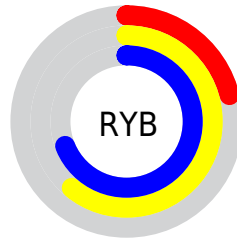
The XYZ color **18.5655, 32.7512, 12.5508** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **25.0731, 14.1609, 31.1187**, and the grayscale version is **20.8354, 21.9205, 23.8714**.

A 20% lighter version of the original color is **40.6545, 64.1703, 31.3625**, and **7.2808, 14.2450, 3.4027** is the 20% darker color. If you saturate the color by 10%, you get **17.3479, 32.1768, 10.1277**, and if you desaturate by 10%, it is **20.2372, 33.5489, 15.5650**.

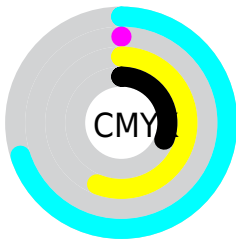
Distribution



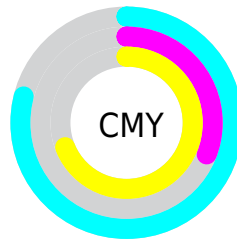
- Red (21%)
- Green (69%)
- Blue (31%)



- Red (21%)
- Yellow (61%)
- Blue (69%)



- Cyan (70%)
- Magenta (0%)
- Yellow (56%)
- Black (31%)



- Cyan (79%)
- Magenta (31%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5655, 32.7512, 12.5508 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 18.5655, 32.7512, 12.5508 by changing the saturation by 10% instead.

■ 18.5655, 32.7512,
12.5508

■ 18.5655, 32.7512,
12.5508

237.0239,
314.5271, 219.1242

■ 11.4589, 21.9359,
6.9929

■ 40.5212, 63.9869,
31.1736

■ 6.4459, 13.8098,
3.3793

■ 56.1009, 85.1761,
45.0757

■ 3.1613, 7.9885,
1.2914

■ 75.2358, 110.5921,
62.5961

■ 1.2396, 4.0876,
0.0547

■ 98.2911, 140.6192,
84.1536

■ 0.1373, 1.7227,
0.0000

■ 125.6322,
175.6419, 110.1666

■ 0.0000, 0.4383,
0.0000

157.6245,

■ 0.0000, 0.0000,

216.0445, 141.0537

0.0000

194.6332,
262.2114, 177.2333

■ 18.5655, 32.7512,
12.5508

■ 18.5655, 32.7512,
12.5508

■ 17.3479, 32.1768,
10.1277

■ 20.2372, 33.5489,
15.5650

■ 16.5349, 31.7984,
8.2544

■ 22.4009, 34.5861,
19.2034

■ 16.0364, 31.5710,
6.8927

■ 25.0932, 35.8817,
23.4994

■ 28.3466, 37.4520,
28.4832

■ 32.1909, 39.3116,
34.1833

■ 36.6536, 41.4742,
40.6264

■ 41.7607, 43.9527,
47.8380

■ 47.5365, 46.7590,
55.8424

■ 54.0042, 49.9047,
64.6626

Harmonies

Analogous

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



24.3775, 32.7512, 5.8558



18.5655, 32.7512, 12.5508



16.1877, 32.7512, 29.9264

Triad

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



18.5655, 32.7512, 12.5508



29.0566, 32.7512, 117.8714



51.2708, 32.7512, 18.5575

Complementary

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



18.5655, 32.7512, 12.5508



25.0731, 14.1609, 31.1187

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.



53.2342, 32.7512, 42.0839



18.5655, 32.7512, 12.5508



39.0245, 32.7512, 109.2557

Square

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



18.5655, 32.7512, 12.5508



21.3887, 32.7512, 96.9407



48.3703, 32.7512, 77.2595



43.4517, 32.7512, 7.8719

Rectangle

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



18.5655, 32.7512, 12.5508



16.4332, 32.7512, 49.3157



48.3703, 32.7512, 77.2595



52.6957, 32.7512, 24.7919

Sweetspot

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



18.5663, 32.7526, 12.5515



56.6919, 69.9389, 59.8144



29.3523, 38.3976, 9.2328



11.8708, 14.9559, 12.3512



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.5663, 32.7526, 12.5515



30.2010, 57.2200, 16.2153



21.9102, 34.0901, 30.1600



8.4567, 9.5172, 9.3988



11.6365, 22.8806, 5.0889



0.3866, 0.7281, 0.2678

Inverse Universe

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



25.0731, 14.1609, 31.1187



42.4893, 21.7916, 51.0452



21.2595, 12.6355, 11.0365



8.7751, 8.6168, 10.3143



16.6592, 8.1812, 19.1631



0.5428, 0.2649, 0.7012

Previews

White Background



This preview shows how the XYZ color 18.5655, 32.7512, 12.5508 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 18.5655, 32.7512, 12.5508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

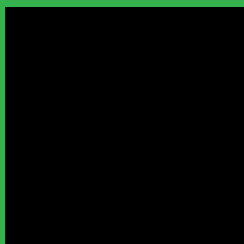
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.5655, 32.7512, 12.5508

Background



This preview shows how black text looks on a background with the XYZ color 18.5655, 32.7512, 12.5508.



This preview shows how white text looks on a background with the XYZ color 18.5655, 32.7512,

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

18.5655, 32.7512, 12.5508

Protanopia

29.4875, 32.2241, 10.6269

Deuteranopia

32.8525, 32.2307, 13.2937



Tritanopia

25.6207, 32.4990, 48.1026

Trichromacy



Original Color

18.5655, 32.7512, 12.5508



Protanomaly

23.0584, 30.9243, 11.2322



Deuteranomaly

24.4357, 30.5672, 12.7958



Tritanomaly

22.0803, 32.1491, 31.0282

Monochromacy



Original Color

18.5655, 32.7512, 12.5508



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.4602, 24.4503, 18.4983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5655, 32.7512, 12.5508 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(53, 177, 78)` looks like.

```
.text, #text, p{  
    color:rgb(53, 177, 78)  
}
```

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(53, 177, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 177, 78) }
```

Border

The CSS property to change the border of an element to XYZ 18.5655, 32.7512, 12.5508 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(53, 177, 78) }
```


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

```
.border{ border-color:rgb(53, 177, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 177, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 177, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 177, 78);  
box-shadow:4px 4px 4px 4px rgb(53, 177,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5655, 32.7512, 12.5508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 177, 78) }
```

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

```
.background{ background-color: rgb(53, 177,  
78) }
```

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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