

Converting Colors

XYZ(18.2565, 33.1186, 7.6320)

Have a look what the booklet for
XYZ(18.2565, 33.1186, 7.6320)
contains.

| | |
|--|----|
| XYZ(18.2018, 32.9686, 7.5947) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(18.2018, 32.9686,
7.5947)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 3CB22A |
| RGB | 60, 178, 42 |
| RGB Percent | 24%, 70%, 16% |
| CMY | 0.7647, 0.3019, 0.8353 |
| CMYK | 0.66, 0.00, 0.76, 0.30 |
| HSL | 112°, 62%, 43% |
| HSV | 112°, 76%, 70% |
| XYZ | 18.2018, 32.9686, 7.5947 |
| YIQ | 127.2140, -26.6720, -67.3120 |

Conversions

Conversions Part 2

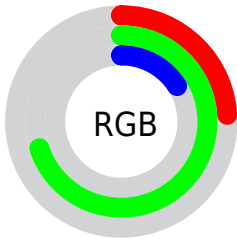
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 42, 178, 160 |
| Decimal | 3977770 |
| CIELab | 64.14, -57.21, 55.84 |
| CIELCh | 64, 79.942, 135.696 |
| Yxy | 32.9686, 0.3097, 0.5610 |
| Android (android.graphics.Color) | 4282167850 (0xFF3CB22A) |
| YUV | 127.2140, -42.0105, -58.9467 |
| Hunter-Lab | 57.4183, -43.8969, 32.3505 |

Details

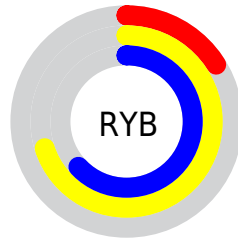
The XYZ color **18.2018, 32.9686, 7.5947** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **23.3631, 12.3452, 43.2727**, and the grayscale version is **20.3939, 21.4559, 23.3655**.

A 20% lighter version of the original color is **39.8920, 64.4173, 21.6405**, and **7.2077, 14.4153, 2.4026** is the 20% darker color. If you saturate the color by 10%, you get **17.1508, 32.4568, 6.2362**, and if you desaturate by 10%, it is **19.6682, 33.6802, 9.7124**.

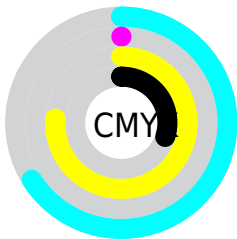
Distribution



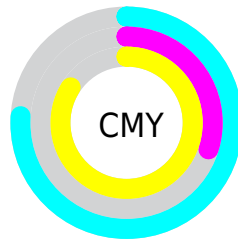
- Red (24%)
- Green (70%)
- Blue (16%)



- Red (16%)
- Yellow (70%)
- Blue (63%)



- Cyan (66%)
- Magenta (0%)
- Yellow (76%)
- Black (30%)



- Cyan (76%)
- Magenta (30%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2018, 32.9686, 7.5947 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 18.2018, 32.9686, 7.5947 by changing the saturation by 10% instead.

■ 18.2018, 32.9686,
7.5947

■ 18.2018, 32.9686,
7.5947

235.0297,
315.5082, 182.3318

■ 11.1955, 22.1024,
3.7527

■ 39.9083, 64.3265,
21.6929

■ 6.2668, 13.9322,
1.4907

■ 55.3392, 85.5870,
32.7861

■ 3.0502, 8.0735,
0.2110

■ 74.3091, 111.0810,
47.1335

■ 1.1803, 4.1420,
0.0000

■ 97.1832, 141.1930,
65.1536

■ 0.0908, 1.7533,
0.0000

■ 124.3270,
176.3073, 87.2650

■ 0.0000, 0.4578,
0.0000

■ 156.1057,

■ 0.0000, 0.0000,

216.8084, 113.8861

0.0000

192.8849,
263.0805, 145.4355

■ 18.2018, 32.9686,
7.5947

■ 18.2018, 32.9686,
7.5947

■ 17.1508, 32.4568,
6.2362

■ 19.6682, 33.6802,
9.7124

■ 16.4660, 32.1190,
5.5156


■ 21.5857, 34.6051,
12.6756


■ 16.2872, 32.0309,
5.3242


■ 23.9889, 35.7605,
16.5616


■ 26.9083, 37.1606,
21.4383

■ 30.3718, 38.8184,
27.3671

 34.4052, 40.7461,
34.4045

 39.0329, 42.9551,
42.6031

 44.2776, 45.4560,
52.0120

 50.1610, 48.2591,
62.6775

Harmonies

Analogous

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



25.8104, 32.9686, 3.1203



18.2018, 32.9686, 7.5947



14.6277, 32.9686, 22.5984

Triad

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



18.2018, 32.9686, 7.5947



26.2618, 32.9686, 136.4554



57.2950, 32.9686, 21.5409

Complementary

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



18.2018, 32.9686, 7.5947



23.3631, 12.3452, 43.2727

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.



57.4999, 32.9686, 53.5973



18.2018, 32.9686, 7.5947



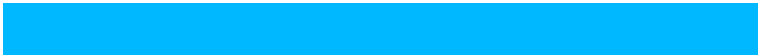
37.5980, 32.9686, 135.5029

Square

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



18.2018, 32.9686, 7.5947



18.4634, 32.9686, 101.5030



49.6274, 32.9686, 99.3767



49.1211, 32.9686, 7.2208

Rectangle

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



18.2018, 32.9686, 7.5947



14.2891, 32.9686, 42.4439



49.6274, 32.9686, 99.3767



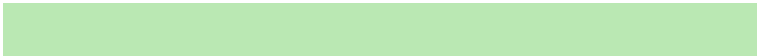
58.3540, 32.9686, 30.0609

Sweetspot

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



18.2026, 32.9700, 7.5954



57.1616, 71.3897, 53.2444



31.3272, 34.7292, 7.2433



12.1153, 15.5539, 10.8451



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



18.2026, 32.9700, 7.5954



30.1482, 58.3868, 10.2776



18.8022, 33.1049, 15.4946



8.4901, 9.5422, 9.0469



11.6847, 22.9338, 3.8108



0.4007, 0.7386, 0.1214

Inverse Universe

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



23.3631, 12.3452, 43.2727



39.6456, 19.0895, 77.9763



23.0943, 12.6838, 21.7005



8.7372, 8.5886, 10.7036



15.3840, 7.2665, 30.7287



0.5146, 0.2444, 0.9683

Previews

White Background



This preview shows how the XYZ color 18.2018, 32.9686, 7.5947 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 18.2018, 32.9686, 7.5947 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 18.2018, 32.9686, 7.5947

Background



This preview shows how black text looks on a background with the XYZ color 18.2018, 32.9686, 7.5947.



This preview shows how white text looks on a background with the XYZ color 18.2018, 32.9686,

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

18.2018, 32.9686, 7.5947

Protanopia

29.2734, 32.4543, 6.3905

Deuteranopia

33.1156, 32.4807, 8.1385



Tritanopia

26.1865, 32.8024, 47.5991

Trichromacy



Original Color

18.2018, 32.9686, 7.5947



Protanomaly

22.9628, 31.2399, 6.6534



Deuteranomaly

24.4796, 30.7038, 7.6538



Tritanomaly

21.6454, 32.0399, 25.8124

Monochromacy



Original Color

18.2018, 32.9686, 7.5947



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.9837, 24.2859, 14.8061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2018, 32.9686, 7.5947 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(60, 178, 42)` looks like.

```
.text, #text, p{  
    color:rgb(60, 178, 42)  
}
```

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(60, 178, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 178, 42) }
```

Border

The CSS property to change the border of an element to XYZ 18.2018, 32.9686, 7.5947 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(60, 178, 42) }
```


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

```
.border{ border-color:rgb(60, 178, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 178, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 178, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 178, 42);  
box-shadow:4px 4px 4px 4px rgb(60, 178,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2018, 32.9686, 7.5947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 178, 42) }
```

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

```
.background{ background-color: rgb(60, 178,  
42) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor