

Converting Colors

XYZ(18.5461, 32.7698, 11.3066)

Have a look what the booklet for
XYZ(18.5461, 32.7698, 11.3066)
contains.

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Color

**XYZ(18.5468, 32.7691,
11.3088)**

Conversions

Conversions Part 1

Format	Color
Hex	39B147
RGB	57, 177, 71
RGB Percent	22%, 69%, 28%
CMY	0.7765, 0.3059, 0.7216
CMYK	0.68, 0.00, 0.60, 0.31
HSL	127°, 51%, 46%
HSV	127°, 68%, 69%
XYZ	18.5468, 32.7691, 11.3088
YIQ	129.0360, -37.4940, -58.4060

Conversions

Conversions Part 2

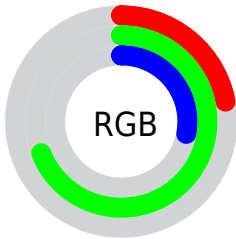
Format	Color
RYB	57, 164, 177
Decimal	3780935
CIELab	63.97, -54.70, 43.87
CIELCh	64, 70.124, 141.269
Yxy	32.7691, 0.2962, 0.5233
Android (android.graphics.Color)	4281971015 (0xFF39B147)
YUV	129.0360, -28.6117, -63.1756
Hunter-Lab	57.2443, -42.3446, 28.3581

Details

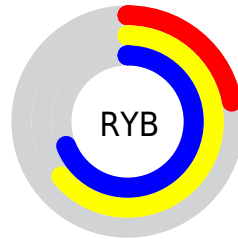
The XYZ color **18.5468, 32.7691, 11.3088** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **26.2063, 14.9181, 36.1488**, and the grayscale version is **20.9860, 22.0790, 24.0440**.

A 20% lighter version of the original color is **40.6057, 64.1976, 28.9901**, and **7.1841, 14.2064, 2.8938** is the 20% darker color. If you saturate the color by 10%, you get **17.2694, 32.1622, 8.9586**, and if you desaturate by 10%, it is **20.3066, 33.6116, 14.3569**.

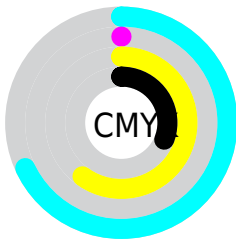
Distribution



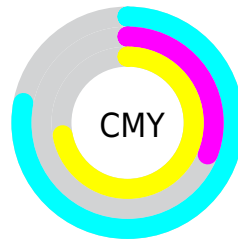
- Red (22%)
- Green (69%)
- Blue (28%)



- Red (22%)
- Yellow (64%)
- Blue (69%)



- Cyan (68%)
- Magenta (0%)
- Yellow (60%)
- Black (31%)



- Cyan (78%)
- Magenta (31%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5468, 32.7691, 11.3088 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 18.5468, 32.7691, 11.3088 by changing the saturation by 10% instead.

■ 18.5468, 32.7691,
11.3088

■ 18.5468, 32.7691,
11.3088

236.9217,
314.6080, 210.5869

■ 11.4453, 21.9496,
6.1582

■ 40.4897, 64.0149,
28.8751

■ 6.4367, 13.8199,
2.8711

■ 56.0618, 85.2099,
42.1279

■ 3.1556, 7.9955,
1.0292

■ 75.1882, 110.6323,
58.9184

■ 1.2366, 4.0921,
0.0000

■ 98.2343, 140.6665,
79.6653

■ 0.1349, 1.7252,
0.0000

■ 125.5653,
175.6967, 104.7871

■ 0.0000, 0.4399,
0.0000

157.5466,

■ 0.0000, 0.0000,

216.1074, 134.7022

0.0000

194.5436,
262.2831, 169.8293

■ 18.5468, 32.7691,
11.3088

■ 18.5468, 32.7691,
11.3088

■ 17.2694, 32.1622,
8.9586

■ 20.3066, 33.6116,
14.3569

■ 16.4234, 31.7631,
7.2491

■ 22.5884, 34.7064,
18.1499

■ 15.9375, 31.5371,
6.1168

■ 25.4303, 36.0729,
22.7333

■ 15.8550, 31.4985,
5.9370

■ 28.8663, 37.7279,
28.1482

■ 32.9275, 39.6867,
34.4330

■ 37.6430, 41.9633,
41.6237

■ 43.0399, 44.5712,
49.7541

■ 49.1439, 47.5228,
58.8564

■ 55.9794, 50.8300,
68.9613

Harmonies

Analogous

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



24.7473, 32.7691, 5.1948



18.5468, 32.7691, 11.3088



15.8830, 32.7691, 28.0384

Triad

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



18.5468, 32.7691, 11.3088



28.3490, 32.7691, 121.0644



52.4291, 32.7691, 19.3519

Complementary

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



18.5468, 32.7691, 11.3088



26.2063, 14.9181, 36.1488

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.



53.9643, 32.7691, 44.5973



18.5468, 32.7691, 11.3088



38.5624, 32.7691, 114.2483

Square

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



18.5468, 32.7691, 11.3088



20.7030, 32.7691, 97.2211



48.4514, 32.7691, 81.7255



44.6163, 32.7691, 7.8336

Rectangle

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



18.5468, 32.7691, 11.3088



15.9765, 32.7691, 47.4103



48.4514, 32.7691, 81.7255



53.7536, 32.7691, 26.0642

Sweetspot

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



18.5476, 32.7705, 11.3095



57.0099, 70.1290, 58.6506



31.5662, 39.5279, 9.8368



11.9159, 14.9863, 12.0323



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.



18.5476, 32.7705, 11.3095



30.1424, 57.2276, 14.5036



21.5070, 33.9542, 26.8938



8.4280, 9.5057, 9.2474



11.4992, 22.8257, 4.3657



0.3747, 0.7234, 0.2053

Inverse Universe

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



26.2063, 14.9181, 36.1488



44.7205, 23.0571, 61.6442



22.0436, 13.2531, 14.2286



8.8065, 8.6293, 10.4793



17.5204, 8.5257, 23.6980



0.5633, 0.2731, 0.8089

Previews

White Background



This preview shows how the XYZ color 18.5468, 32.7691, 11.3088 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 18.5468, 32.7691, 11.3088 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 18.5468, 32.7691, 11.3088

Background



This preview shows how black text looks on a background with the XYZ color 18.5468, 32.7691, 11.3088.



This preview shows how white text looks on a background with the XYZ color 18.5468, 32.7691,

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

18.5468, 32.7691, 11.3088

Protanopia

29.2756, 32.1393, 9.5110

Deuteranopia

32.8680, 32.2654, 12.0849



Tritanopia

25.7974, 32.6018, 47.5809

Trichromacy



Original Color

18.5468, 32.7691, 11.3088



Protanomaly

23.1394, 30.9917, 10.0726



Deuteranomaly

24.5509, 30.6523, 11.6437



Tritanomaly

22.1689, 32.2207, 29.8617

Monochromacy



Original Color

18.5468, 32.7691, 11.3088



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.5792, 24.5240, 17.9417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5468, 32.7691, 11.3088 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(57, 177, 71)` looks like.

```
.text, #text, p{  
    color:rgb(57, 177, 71)  
}
```

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(57, 177, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 177, 71) }
```

Border

The CSS property to change the border of an element to XYZ 18.5468, 32.7691, 11.3088 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(57, 177, 71) }
```


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

```
.border{ border-color:rgb(57, 177, 71) }
```

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

Here you see how a box with a 4 pixel rgb(57, 177, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 177, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 177, 71);  
box-shadow:4px 4px 4px 4px rgb(57, 177,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5468, 32.7691, 11.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 177, 71) }
```

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

```
.background{ background-color: rgb(57, 177,  
71) }
```

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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