

Converting Colors

XYZ(18.2846, 30.2043, 5.3884)

Have a look what the booklet for
XYZ(18.2846, 30.2043, 5.3884)
contains.

XYZ(18.3203, 30.2194, 5.3977)	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(18.3203, 30.2194,
5.3977)**

Conversions

Conversions Part 1

Format	Color
Hex	5AA811
RGB	90, 168, 17
RGB Percent	35%, 66%, 7%
CMY	0.6471, 0.3412, 0.9333
CMYK	0.46, 0.00, 0.90, 0.34
HSL	91°, 82%, 36%
HSV	91°, 90%, 66%
XYZ	18.3203, 30.2194, 5.3977
YIQ	127.4640, 1.9830, -63.4970

Conversions

Conversions Part 2

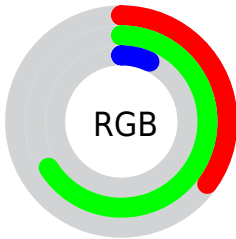
Format	Color
RYB	17, 168, 95
Decimal	5941265
CIELab	61.84, -46.71, 60.74
CIELCh	62, 76.622, 127.557
Yxy	30.2194, 0.3397, 0.5603
Android (android.graphics.Color)	4284131345 (0xFF5AA811)
YUV	127.4640, -54.4588, -32.8559
Hunter-Lab	54.9722, -36.7135, 32.6589

Details

The XYZ color **18.3203, 30.2194, 5.3977** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **11.9897, 5.6623, 37.5085**, and the grayscale version is **20.5152, 21.5836, 23.5046**.

A 20% lighter version of the original color is **40.1362, 60.0935, 17.0732**, and **6.5567, 12.4811, 2.0635** is the 20% darker color. If you saturate the color by 10%, you get **17.4253, 29.7705, 4.8340**, and if you desaturate by 10%, it is **19.3999, 30.7556, 6.4131**.

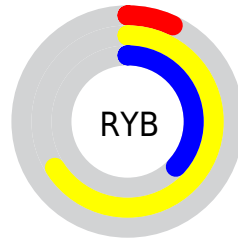
Distribution



Red (35%)

Green (66%)

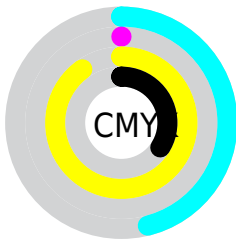
Blue (7%)



Red (7%)

Yellow (66%)

Blue (37%)

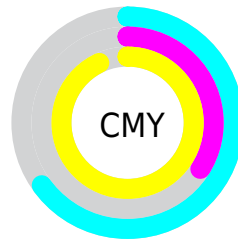


Cyan (46%)

Magenta (0%)

Yellow (90%)

Black (34%)



Cyan (65%)

Magenta (34%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3203, 30.2194, 5.3977 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 18.3203, 30.2194, 5.3977 by changing the saturation by 10% instead.

■ 18.3203, 30.2194,
5.3977

■ 18.3203, 30.2194,
5.3977

235.6811,
302.9258, 162.6834

■ 11.2813, 20.0052,
2.4197

■ 40.1082, 60.0090,
17.1229

■ 6.3250, 12.3988,
0.7971

■ 55.5877, 80.3531,
26.7071

■ 3.0862, 7.0159,
0.0000

■ 74.6115, 104.8427,
39.3305

■ 1.1995, 3.4720,
0.0000

■ 97.5448, 133.8621,
55.4115

■ 0.1060, 1.3829,
0.0000

■ 124.7531,
167.7957, 75.3688

■ 0.0000, 0.2040,
0.0000

■ 156.6017,

■ 0.0000, 0.0000,

207.0279, 99.6209

0.0000

193.4559,
251.9432, 128.5862

■ 18.3203, 30.2194,
5.3977

■ 18.3203, 30.2194,
5.3977

■ 17.4253, 29.7705,
4.8340

■ 19.3999, 30.7556,
6.4131

■ 17.4148, 29.7652,
4.8274

■ 20.6989, 31.3902,
8.0553

■ 22.2363, 32.1323,
10.4055

■ 24.0280, 32.9887,
13.5324

■ 26.0884, 33.9652,
17.4963

■ 28.4305, 35.0675,
22.3519

■ 31.0663, 36.3008,
28.1489

■ 34.0071, 37.6697,
34.9336

■ 37.2636, 39.1789,
42.7491

Harmonies

Analogous

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



26.2116, 30.2194, 2.6908



18.3203, 30.2194, 5.3977



14.1041, 30.2194, 15.7382

Triad

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



18.3203, 30.2194, 5.3977



21.8465, 30.2194, 117.3086



52.9782, 30.2194, 26.0346

Complementary

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



18.3203, 30.2194, 5.3977



11.9897, 5.6623, 37.5085

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.



51.0185, 30.2194, 59.4471



18.3203, 30.2194, 5.3977



31.3891, 30.2194, 126.3499

Square

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



18.3203, 30.2194, 5.3977



15.7770, 30.2194, 80.5959



42.4642, 30.2194, 100.8476



47.3161, 30.2194, 9.1200

Rectangle

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



18.3203, 30.2194, 5.3977



13.2074, 30.2194, 30.5600



42.4642, 30.2194, 100.8476



53.2087, 30.2194, 35.3645

Sweetspot

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



18.3210, 30.2207, 5.3984



52.6775, 64.1428, 42.9029



20.1217, 16.1083, 2.5795



11.1595, 13.8293, 8.6594



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.3210, 30.2207, 5.3984



31.3547, 53.8844, 8.7482



14.3359, 28.1663, 5.2119



7.7689, 8.5790, 8.0357



13.2091, 22.5068, 3.6481



0.3807, 0.5782, 0.0915

Inverse Universe

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



11.9897, 5.6623, 37.5085



19.6734, 8.6604, 67.8598



23.4180, 11.5538, 38.0433



7.4876, 7.4839, 9.4683



8.3502, 3.6881, 28.2473



0.2618, 0.1200, 0.6900

Previews

White Background



This preview shows how the XYZ color 18.3203, 30.2194, 5.3977 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 18.3203, 30.2194, 5.3977 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 18.3203, 30.2194, 5.3977

Background



This preview shows how black text looks on a background with the XYZ color 18.3203, 30.2194, 5.3977.



This preview shows how white text looks on a background with the XYZ color 18.3203, 30.2194,

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

18.3203, 30.2194, 5.3977

Protanopia

26.9397, 29.8373, 4.5690

Deuteranopia

30.3523, 29.7481, 5.8925



Tritanopia

25.6054, 30.0210, 41.9812

Trichromacy



Original Color

18.3203, 30.2194, 5.3977

Protanomaly

22.7641, 29.3765, 4.7871

Deuteranomaly

24.2498, 28.9024, 5.5289

Tritanomaly

21.2016, 29.2401, 20.4460

Monochromacy



Original Color

18.3203, 30.2194, 5.3977

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.3327, 23.6115, 12.6081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3203, 30.2194, 5.3977 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(90, 168, 17)` looks like.

```
.text, #text, p{  
    color:rgb(90, 168, 17)  
}
```

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(90, 168, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 168, 17) }
```

Border

The CSS property to change the border of an element to XYZ 18.3203, 30.2194, 5.3977 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(90, 168, 17) }
```


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

```
.border{ border-color:rgb(90, 168, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 168, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 168, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 168, 17);  
box-shadow:4px 4px 4px 4px rgb(90, 168,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3203, 30.2194, 5.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 168, 17) }
```

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

```
.background{ background-color: rgb(90, 168,  
17) }
```

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