

Converting Colors

XYZ(18.2500, 36.4191, 6.2113)

Have a look what the booklet for
XYZ(18.2500, 36.4191, 6.2113)
contains.

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Color

**XYZ(18.2500, 36.4191,
6.2113)**

Conversions

Conversions Part 1

Format	Color
Hex	02BD05
RGB	2, 189, 5
RGB Percent	1%, 74%, 2%
CMY	0.9922, 0.2588, 0.9803
CMYK	0.99, 0.00, 0.97, 0.26
HSL	121°, 98%, 37%
HSV	121°, 99%, 74%
XYZ	18.2500, 36.4191, 6.2113
YIQ	112.1110, -52.3880, -96.8680

Conversions

Conversions Part 2

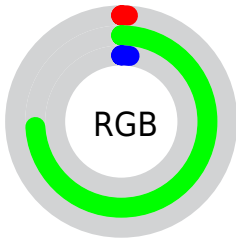
Format	Color
R_YB	2, 186, 189
Decimal	179461
CIE _{Lab}	66.84, -68.61, 65.84
CIE _{LCh}	67, 95.087, 136.182
Yxy	36.4191, 0.2998, 0.5982
Android (android.graphics.Color)	4278369541 (0xFF02BD05)
YUV	112.1110, -52.8057, -96.5673
Hunter-Lab	60.3482, -51.6290, 36.1414

Details

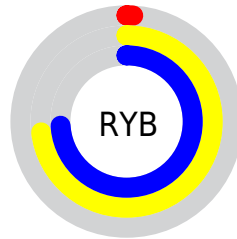
The XYZ color **18.2500, 36.4191, 6.2113** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **29.8695, 14.4068, 47.6489**, and the grayscale version is **15.5960, 16.4082, 17.8686**.

A 20% lighter version of the original color is **40.0756, 69.8674, 18.9630**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **18.2151, 36.4034, 6.1543**, and if you desaturate by 10%, it is **18.6663, 36.6194, 6.9277**.

Distribution



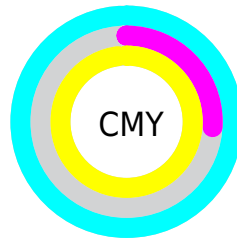
- Red (1%)
- Green (74%)
- Blue (2%)



- Red (1%)
- Yellow (73%)
- Blue (74%)



- Cyan (99%)
- Magenta (0%)
- Yellow (97%)
- Black (26%)





- Cyan (99%)
- Magenta (26%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2500, 36.4191, 6.2113 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 18.2500, 36.4191, 6.2113 by changing the saturation by 10% instead.


 18.2500, 36.4191,
6.2113


 18.2500, 36.4191,
6.2113


235.2948,
330.7887, 170.3135


 11.2304, 24.7580,
2.9031


 39.9896, 69.6784,
18.8531


 6.2905, 15.8969,
1.0454


 55.4403, 92.0455,
29.0238

 3.0648, 9.4512,
0.0000


 74.4321, 118.7501,
42.3191

 1.1881, 5.0366,
0.0000

 97.3304, 150.1765,
59.1576

 0.0970, 2.2688,
0.0000

 124.5004,
186.7092, 79.9577

 0.0000, 0.7571,
0.0000

 156.3076,

 0.0000, 0.0000,

228.7325, 105.1380

0.0000

193.1173,
276.6309, 135.1171

■ 18.2500, 36.4191,
6.2113

■ 18.2500, 36.4191,
6.2113

■ 18.2151, 36.4034,
6.1543

■ 18.6663, 36.6194,
6.9277

■ 19.4872, 37.0124,
8.3272

■ 20.8211, 37.6521,
10.5574

■ 22.7331, 38.5698,
13.7200

■ 25.2790, 39.7923,
17.9019

■ 28.5076, 41.3432,
23.1804

■ 32.4634, 43.2440,
29.6250

■ 37.1868, 45.5140,
37.2997

■ 42.7154, 48.1714,
46.2638

Harmonies

Analogous

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



27.4661, 36.4191, 1.8597



18.2500, 36.4191, 6.2113



14.1070, 36.4191, 23.5867

Triad

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



18.2500, 36.4191, 6.2113



28.4216, 36.4191, 176.9962



68.5454, 36.4191, 21.4240

Complementary

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



18.2500, 36.4191, 6.2113



29.8695, 14.4068, 47.6489

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.



69.0121, 36.4191, 61.7373



18.2500, 36.4191, 6.2113



42.9084, 36.4191, 174.7134

Square

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



18.2500, 36.4191, 6.2113



18.7816, 36.4191, 128.6472



58.6487, 36.4191, 123.6497



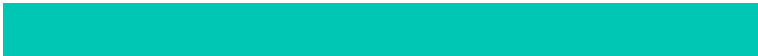
57.5095, 36.4191, 5.5638

Rectangle

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



18.2500, 36.4191, 6.2113



13.7584, 36.4191, 48.8091



58.6487, 36.4191, 123.6497



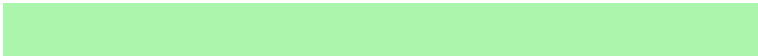
70.0301, 36.4191, 31.7222

Sweetspot

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



18.2508, 36.4206, 6.2121



56.9642, 76.8819, 51.1436



39.1965, 47.2204, 7.1059



11.5913, 16.2167, 9.9256



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



18.2508, 36.4206, 6.2121



32.6136, 65.1925, 10.9782



20.3117, 37.2449, 17.0643



9.4149, 10.6521, 10.1683



12.2579, 24.4935, 4.1551



0.4823, 0.9603, 0.1741

Inverse Universe

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



29.8695, 14.4068, 47.6489



53.4398, 25.7178, 85.2414



23.0971, 11.6979, 11.9864



9.9231, 9.6936, 11.9842



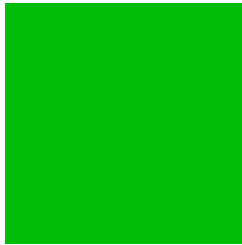
20.0823, 9.6641, 32.0567



0.7888, 0.3794, 1.2670

Previews

White Background



This preview shows how the XYZ color 18.2500, 36.4191, 6.2113 looks on a white background.

Color Contrast Check

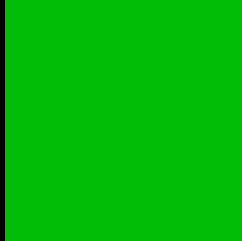
Large Text (above 18pt) WCAG AA × Fail

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 18.2500, 36.4191, 6.2113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

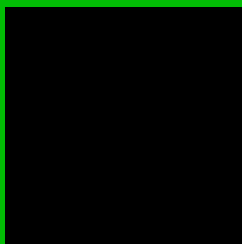
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.2500, 36.4191, 6.2113

Background



This preview shows how black text looks on a background with the XYZ color 18.2500, 36.4191, 6.2113.



This preview shows how white text looks on a background with the XYZ color 18.2500, 36.4191,

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

18.2500, 36.4191, 6.2113

Protanopia

32.2117, 35.7857, 5.2096

Deuteranopia

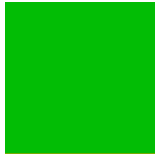
36.4201, 35.6391, 7.0573



Tritanopia

28.0440, 36.4306, 54.2689

Trichromacy



Original Color

18.2500, 36.4191, 6.2113



Protanomaly

22.0996, 33.2913, 5.3185



Deuteranomaly

23.0517, 32.1021, 6.0800



Tritanomaly

21.4643, 35.1816, 24.3983

Monochromacy



Original Color

18.2500, 36.4191, 6.2113



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.2532, 20.6149, 9.5839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2500, 36.4191, 6.2113 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(2, 189, 5)` looks like.

```
.text, #text, p{  
    color:rgb(2, 189, 5)  
}
```

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(2, 189, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 189, 5) }
```

Border

The CSS property to change the border of an element to XYZ 18.2500, 36.4191, 6.2113 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(2, 189, 5) }
```


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

```
.border{ border-color:rgb(2, 189, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 189, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 189, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 189, 5); box-shadow:4px  
4px 4px 4px rgb(2, 189, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2500, 36.4191, 6.2113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 189, 5) }
```

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

```
.background{ background-color: rgb(2, 189,  
5) }
```

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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