

Converting Colors

XYZ(18.1812, 36.2855, 6.2976)

Have a look what the booklet for
XYZ(18.1812, 36.2855, 6.2976)
contains.

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Color

**XYZ(18.2469, 36.4149,
6.3255)**

Conversions

Conversions Part 1

Format	Color
Hex	00BD09
RGB	0, 189, 9
RGB Percent	0%, 74%, 4%
CMY	1.0000, 0.2588, 0.9646
CMYK	1.00, 0.00, 0.95, 0.26
HSL	123°, 100%, 37%
HSV	123°, 100%, 74%
XYZ	18.2469, 36.4149, 6.3255
YIQ	111.9690, -54.8640, -96.0480

Conversions

Conversions Part 2

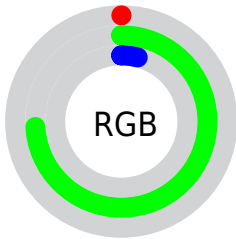
Format	Color
RYB	0, 180, 189
Decimal	48393
CIELab	66.84, -68.61, 65.36
CIELCh	67, 94.761, 136.390
Yxy	36.4149, 0.2992, 0.5971
Android (android.graphics.Color)	4278238473 (0xFF00BD09)
YUV	111.9690, -50.7637, -98.1968
Hunter-Lab	60.3448, -51.6289, 36.0264

Details

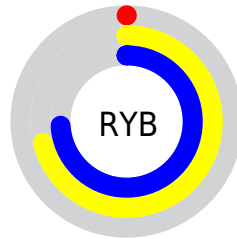
The XYZ color **18.2469, 36.4149, 6.3255** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **29.2238, 14.1139, 44.3558**, and the grayscale version is **15.5492, 16.3590, 17.8150**.

A 20% lighter version of the original color is **40.1128, 69.8823, 19.1591**, and **8.5251, 17.0502, 2.8417** is the 20% darker color. If you saturate the color by 10%, you get **18.2477, 36.4164, 6.3263**, and if you desaturate by 10%, it is **18.6630, 36.6133, 7.1214**.

Distribution



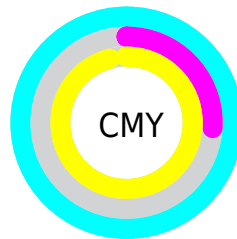
- Red (0%)
- Green (74%)
- Blue (4%)



- Red (0%)
- Yellow (71%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2469, 36.4149, 6.3255 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 18.2469, 36.4149, 6.3255 by changing the saturation by 10% instead.


 18.2469, 36.4149,
6.3255


 18.2469, 36.4149,
6.3255


235.2778,
330.7704, 171.3477


 11.2282, 24.7548,
2.9720


 39.9844, 69.6720,
19.0921


 6.2889, 15.8945,
1.0804


 55.4338, 92.0377,
29.3422

 3.0639, 9.4495,
0.0000


 74.4242, 118.7408,
42.7284

 1.1876, 5.0355,
0.0000

 97.3209, 150.1657,
59.6690

 0.0966, 2.2681,
0.0000

 124.4893,
186.6967, 80.5828

 0.0000, 0.7568,
0.0000

 156.2946,

 0.0000, 0.0000,

228.7182, 105.8881

0.0000

193.1023,
276.6146, 136.0035

■ 18.2469, 36.4149,
6.3255

■ 18.2469, 36.4149,
6.3255

■ 18.2477, 36.4164,
6.3263

■ 18.6630, 36.6133,
7.1214

■ 19.4643, 36.9945,
8.5991

■ 20.7663, 37.6168,
10.8711

■ 22.6330, 38.5112,
14.0277

■ 25.1188, 39.7041,
18.1471

■ 28.2718, 41.2187,
23.2987

■ 32.1353, 43.0762,
29.5457

■ 36.7490, 45.2956,
36.9462

■ 42.1496, 47.8948,
45.5540

Harmonies

Analogous

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



27.4030, 36.4149, 1.9038



18.2469, 36.4149, 6.3255



14.1424, 36.4149, 23.8271

Triad

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



18.2469, 36.4149, 6.3255



28.5233, 36.4149, 176.4538



68.3514, 36.4149, 21.2889

Complementary

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



18.2469, 36.4149, 6.3255



29.2238, 14.1139, 44.3558

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.



68.8976, 36.4149, 61.2711



18.2469, 36.4149, 6.3255



42.9842, 36.4149, 173.7858

Square

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



18.2469, 36.4149, 6.3255



18.8709, 36.4149, 128.6419



58.6441, 36.4149, 122.7984



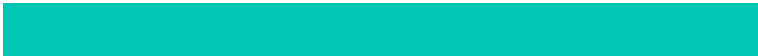
57.3106, 36.4149, 5.5620

Rectangle

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



18.2469, 36.4149, 6.3255



13.8132, 36.4149, 49.0981



58.6441, 36.4149, 122.7984



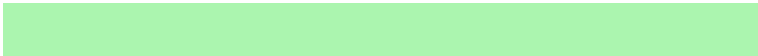
69.8555, 36.4149, 31.4984

Sweetspot

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



18.2477, 36.4164, 6.3263



57.1896, 76.9721, 52.3305



37.6563, 46.4276, 6.9767



11.6425, 16.2371, 10.1951



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.



18.2477, 36.4164, 6.3263



32.6564, 65.2096, 11.2032



20.5376, 37.3324, 18.3846



9.4267, 10.6568, 10.2307



12.2853, 24.5044, 4.2990



0.4876, 0.9624, 0.2020

Inverse Universe

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



29.2238, 14.1139, 44.3558



52.3114, 25.2665, 79.2996



22.7569, 11.5272, 10.3020



9.9098, 9.6882, 11.9138



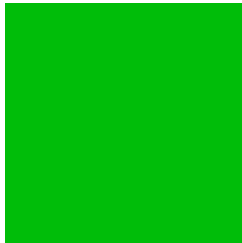
19.6701, 9.4992, 29.8862



0.7766, 0.3745, 1.2028

Previews

White Background



This preview shows how the XYZ color 18.2469, 36.4149, 6.3255 looks on a white background.

Color Contrast Check

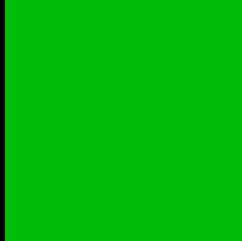
Large Text (above 18pt) WCAG AA × Fail

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 18.2469, 36.4149, 6.3255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

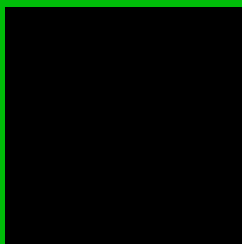
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

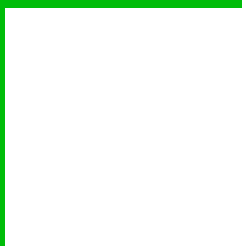
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2469, 36.4149, 6.3255

Background



This preview shows how black text looks on a background with the XYZ color 18.2469, 36.4149, 6.3255.



This preview shows how white text looks on a background with the XYZ color 18.2469, 36.4149,

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

18.2469, 36.4149, 6.3255

Protanopia

32.2117, 35.7857, 5.2096

Deuteranopia

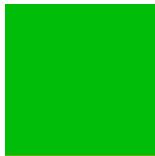
36.4378, 35.6461, 7.1504



Tritanopia

28.0440, 36.4306, 54.2689

Trichromacy



Original Color

18.2469, 36.4149, 6.3255



Protanomaly

21.9714, 33.2246, 5.3411



Deuteranomaly

22.9238, 32.0333, 6.2031



Tritanomaly

21.4774, 35.1811, 24.7274

Monochromacy



Original Color

18.2469, 36.4149, 6.3255



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.2466, 20.6038, 9.9354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2469, 36.4149, 6.3255 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(0, 189, 9)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 9)  
}
```

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(0, 189, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 9) }
```

Border

The CSS property to change the border of an element to XYZ 18.2469, 36.4149, 6.3255 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(0, 189, 9) }
```


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

```
.border{ border-color:rgb(0, 189, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 189, 9); box-shadow:4px  
4px 4px 4px rgb(0, 189, 9) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2469, 36.4149, 6.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 9) }
```

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

```
.background{ background-color: rgb(0, 189,  
9) }
```

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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