

Converting Colors

XYZ(18.8867, 36.4213, 6.6417)

Have a look what the booklet for
XYZ(18.8867, 36.4213, 6.6417)
contains.

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Color

**XYZ(18.9001, 36.4255,
6.6508)**

Conversions

Conversions Part 1

Format	Color
Hex	26BC13
RGB	38, 188, 19
RGB Percent	15%, 74%, 7%
CMY	0.8510, 0.2627, 0.9254
CMYK	0.80, 0.00, 0.90, 0.26
HSL	113°, 82%, 41%
HSV	113°, 90%, 74%
XYZ	18.9001, 36.4255, 6.6508
YIQ	123.8840, -35.1510, -84.3590

Conversions

Conversions Part 2

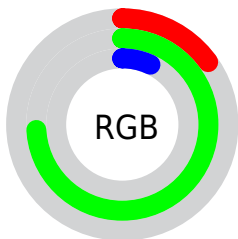
Format	Color
RYB	19, 188, 169
Decimal	2538515
CIELab	66.84, -65.24, 64.07
CIELCh	67, 91.442, 135.521
Yxy	36.4255, 0.3050, 0.5877
Android (android.graphics.Color)	4280728595 (0xFF26BC13)
YUV	123.8840, -51.7078, -75.3203
Hunter-Lab	60.3535, -49.7203, 35.7139

Details

The XYZ color **18.9001, 36.4255, 6.6508** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **25.6761, 12.5339, 48.6449**, and the grayscale version is **19.2960, 20.3009, 22.1077**.

A 20% lighter version of the original color is **41.2381, 69.9964, 19.7247**, and **8.3875, 16.7751, 2.7958** is the 20% darker color. If you saturate the color by 10%, you get **18.3010, 36.1312, 6.0156**, and if you desaturate by 10%, it is **19.8893, 36.9101, 7.8941**.

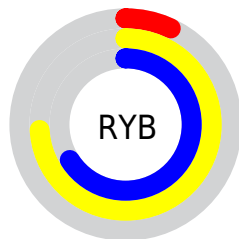
Distribution



Red (15%)

Green (74%)

Blue (7%)



Red (7%)

Yellow (74%)

Blue (66%)

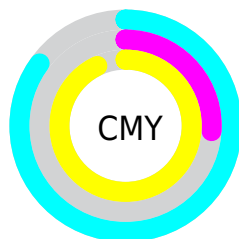


Cyan (80%)

Magenta (0%)

Yellow (90%)

Black (26%)



Cyan (85%)


Magenta (26%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9001, 36.4255, 6.6508 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 18.9001, 36.4255, 6.6508 by changing the saturation by 10% instead.


 18.9001, 36.4255,
6.6508


 18.9001, 36.4255,
6.6508


238.8454,
330.8165, 174.2491


 11.7017, 24.7630,
3.1696


 41.0834, 69.6883,
19.7680


 6.6116, 15.9006,
1.1819


 56.7990, 92.0574,
30.2410


 3.2646, 9.4538,
0.0000


 76.0844, 118.7642,
43.8816

 1.2952, 5.0384,
0.0000

 99.3049, 150.1930,
61.1085

 0.1796, 2.2698,
0.0000

 126.8259,
186.7282, 82.3402

 0.0000, 0.7576,
0.0000

 159.0128,

 0.0000, 0.0000,

228.7543, 107.9951

0.0000

196.2308,
276.6556, 138.4919

■ 18.9001, 36.4255,
6.6508

■ 18.9001, 36.4255,
6.6508

■ 18.3010, 36.1312,
6.0156

■ 19.8893, 36.9101,
7.8941

■ 18.2958, 36.1287,
6.0092

■ 21.3391, 37.6133,
9.9560

■ 23.2988, 38.5594,
12.9459

■ 25.8106, 39.7682,
16.9559

■ 28.9124, 41.2573,
22.0668

■ 32.6386, 43.0430,
28.3514

■ 37.0210, 45.1402,
35.8764

■ 42.0891, 47.5628,
44.7033

■ 47.8708, 50.3238,
54.8896

Harmonies

Analogous

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



27.9806, 36.4255, 2.2308



18.9001, 36.4255, 6.6508



14.7262, 36.4255, 23.5019

Triad

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



18.9001, 36.4255, 6.6508



28.3880, 36.4255, 168.5792



67.0924, 36.4255, 22.5703

Complementary

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



18.9001, 36.4255, 6.6508



25.6761, 12.5339, 48.6449

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.



67.2872, 36.4255, 61.9174



18.9001, 36.4255, 6.6508



42.2375, 36.4255, 167.6400

Square

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



18.9001, 36.4255, 6.6508



19.1295, 36.4255, 122.6182



57.2776, 36.4255, 120.5508



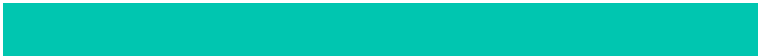
56.8004, 36.4255, 6.3573

Rectangle

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



18.9001, 36.4255, 6.6508



14.3219, 36.4255, 47.4506



57.2776, 36.4255, 120.5508



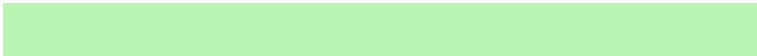
68.4169, 36.4255, 32.7745

Sweetspot

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



18.9009, 36.4270, 6.6516



60.9801, 78.8820, 54.5028



34.9134, 38.8505, 6.2755



12.5689, 16.7025, 10.7921



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.



18.9009, 36.4270, 6.6516



33.0574, 65.4238, 10.8858



19.8449, 36.7433, 14.3912



9.5057, 10.6996, 10.1409



12.4890, 24.6142, 4.0928



0.5226, 0.9814, 0.1619

Inverse Universe

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



25.6761, 12.5339, 48.6449



45.1538, 21.3773, 87.9726



24.5621, 12.5937, 19.9487



9.8215, 9.6404, 12.0153



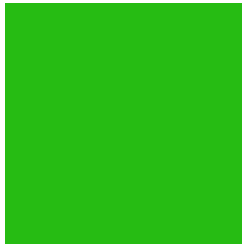
17.0521, 8.0768, 33.0531



0.6984, 0.3321, 1.2961

Previews

White Background



This preview shows how the XYZ color 18.9001, 36.4255, 6.6508 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 18.9001, 36.4255, 6.6508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

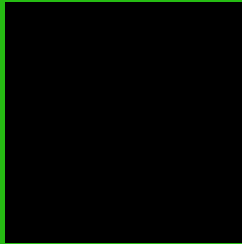
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.9001, 36.4255, 6.6508

Background



This preview shows how black text looks on a background with the XYZ color 18.9001, 36.4255, 6.6508.



This preview shows how white text looks on a background with the XYZ color 18.9001, 36.4255,

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

18.9001, 36.4255, 6.6508

Protanopia

32.2282, 35.7923, 5.2962

Deuteranopia

36.4745, 35.6608, 7.3437



Tritanopia

28.3530, 36.3125, 53.6588

Trichromacy



Original Color

18.9001, 36.4255, 6.6508



Protanomaly

23.8181, 33.8914, 5.5448



Deuteranomaly

25.2673, 33.2334, 6.6731



Tritanomaly

22.6063, 35.4400, 25.7278

Monochromacy



Original Color

18.9001, 36.4255, 6.6508



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.6276, 23.8665, 12.5344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9001, 36.4255, 6.6508 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(38, 188, 19)` looks like.

```
.text, #text, p{  
    color:rgb(38, 188, 19)  
}
```

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(38, 188, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 188, 19) }
```

Border

The CSS property to change the border of an element to XYZ 18.9001, 36.4255, 6.6508 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(38, 188, 19) }
```


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

```
.border{ border-color:rgb(38, 188, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 188, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 188, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 188, 19);  
box-shadow:4px 4px 4px 4px rgb(38, 188,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9001, 36.4255, 6.6508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 188, 19) }
```

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

```
.background{ background-color: rgb(38, 188,  
19) }
```

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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