

Converting Colors

XYZ(18.1630, 33.7197, 14.0894)

Have a look what the booklet for
XYZ(18.1630, 33.7197, 14.0894)
contains.

XYZ(18.1636, 33.7036, 14.1425)	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(18.1636, 33.7036,
14.1425)**

Conversions

Conversions Part 1

Format	Color
Hex	00B555
RGB	0, 181, 85
RGB Percent	0%, 71%, 33%
CMY	1.0000, 0.2902, 0.6667
CMYK	1.00, 0.00, 0.53, 0.29
HSL	148°, 100%, 35%
HSV	148°, 100%, 71%
XYZ	18.1636, 33.7036, 14.1425
YIQ	115.9370, -77.0600, -68.2280

Conversions

Conversions Part 2

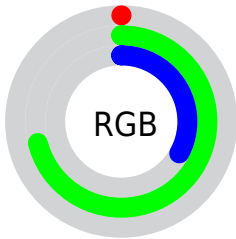
Format	Color
RYB	0, 123, 181
Decimal	46421
CIELab	64.73, -59.96, 37.90
CIELCh	65, 70.933, 147.706
Yxy	33.7036, 0.2752, 0.5106
Android (android.graphics.Color)	4278236501 (0xFF00B555)
YUV	115.9370, -15.2519, -101.6767
Hunter-Lab	58.0548, -45.7486, 26.1950

Details

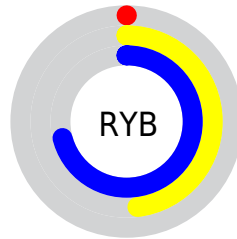
The XYZ color **18.1636, 33.7036, 14.1425** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **21.1687, 10.6691, 12.0127**, and the grayscale version is **16.6448, 17.5117, 19.0702**.

A 20% lighter version of the original color is **39.8092, 65.3881, 34.1899**, and **7.7642, 15.0431, 4.0845** is the 20% darker color. If you saturate the color by 10%, you get **18.1641, 33.7048, 14.1420**, and if you desaturate by 10%, it is **18.8236, 33.9977, 16.3023**.

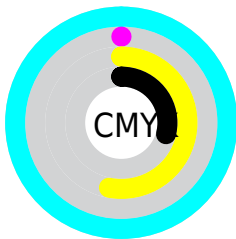
Distribution



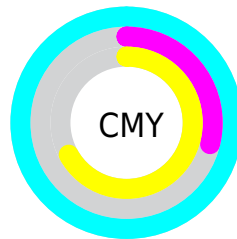
- Red (0%)
- Green (71%)
- Blue (33%)



- Red (0%)
- Yellow (48%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.1636, 33.7036, 14.1425 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 18.1636, 33.7036, 14.1425 by changing the saturation by 10% instead.


 18.1636, 33.7036,
14.1425


 18.1636, 33.7036,
14.1425


234.8194,
318.8084, 229.5747


 11.1679, 22.6660,
8.0800


 39.8438, 65.4725,
34.0624


 6.2480, 14.3471,
4.0576


 55.2590, 86.9725,
48.7569


 3.0386, 8.3625,
1.6570


 74.2114, 112.7289,
67.1657

 1.1742, 4.3277,
0.3310

 97.0665, 143.1259,
89.7075

 0.0858, 1.8585,
0.0000

 124.1894,
178.5479, 116.8008

 0.0000, 0.5233,
0.0000

 155.9456,

 0.0000, 0.0000,

219.3794, 148.8640

0.0000

192.7005,
266.0048, 186.3158

■ 18.1636, 33.7036,
14.1425

■ 18.1636, 33.7036,
14.1425

■ 18.1641, 33.7048,
14.1420

■ 18.8236, 33.9977,
16.3023

■ 19.7685, 34.4315,
18.7552

■ 21.0888, 35.0524,
21.5157

■ 22.8284, 35.8828,
24.5951

■ 25.0250, 36.9420,
28.0040

■ 27.7118, 38.2470,
31.7524

■ 30.9187, 39.8128,
35.8498

■ 34.6732, 41.6536,
40.3053

■ 39.0008, 43.7823,
45.1277

Harmonies

Analogous

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



23.7619, 33.7036, 6.0656



18.1636, 33.7036, 14.1425



16.1756, 33.7036, 34.4968

Triad

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



18.1636, 33.7036, 14.1425



31.2563, 33.7036, 126.1532



52.6977, 33.7036, 16.3045

Complementary

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



18.1636, 33.7036, 14.1425



21.1687, 10.6691, 12.0127

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.



55.8674, 33.7036, 38.9898



18.1636, 33.7036, 14.1425



42.0332, 33.7036, 112.1556

Square

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



18.1636, 33.7036, 14.1425



22.6660, 33.7036, 107.4913



51.6123, 33.7036, 75.5764



43.6824, 33.7036, 6.7675

Rectangle

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



18.1636, 33.7036, 14.1425



16.7610, 33.7036, 56.5424



51.6123, 33.7036, 75.5764



54.5560, 33.7036, 22.1420

Sweetspot

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



18.1644, 33.7050, 14.1433



55.0582, 71.1474, 63.8164



21.4054, 35.5652, 5.7369



11.3647, 15.1158, 13.1217



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



18.1644, 33.7050, 14.1433



32.4174, 60.3173, 24.7330



24.2595, 36.1430, 46.2397



8.5495, 9.5543, 9.8874



12.5559, 23.2484, 9.9304



0.4246, 0.7433, 0.4681

Inverse Universe

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



21.1687, 10.6691, 12.0127



37.7947, 19.0604, 20.9002



19.0900, 9.8376, 1.0663



8.6784, 8.5781, 9.8049



14.6278, 7.3687, 8.4660



0.4894, 0.2435, 0.4200

Previews

White Background



This preview shows how the XYZ color 18.1636, 33.7036, 14.1425 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 18.1636, 33.7036, 14.1425 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 18.1636, 33.7036, 14.1425

Background



This preview shows how black text looks on a background with the XYZ color 18.1636, 33.7036, 14.1425.



This preview shows how white text looks on a background with the XYZ color 18.1636, 33.7036,

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

18.1636, 33.7036, 14.1425

Protanopia

30.2413, 33.0834, 11.8130

Deuteranopia

33.7095, 33.1040, 14.9690



Tritanopia

25.5522, 33.5122, 50.4692

Trichromacy



Original Color

18.1636, 33.7036, 14.1425



Protanomaly

21.2098, 30.7407, 12.4051



Deuteranomaly

22.3361, 30.2210, 14.3289



Tritanomaly

21.5635, 32.9681, 33.2439

Monochromacy



Original Color

18.1636, 33.7036, 14.1425



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

14.7519, 21.2319, 16.6853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1636, 33.7036, 14.1425 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, 181, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 85)  
}
```

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, 181, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 85) }
```

Border

The CSS property to change the border of an element to XYZ 18.1636, 33.7036, 14.1425 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, 181, 85) }
```


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

```
.border{ border-color:rgb(0, 181, 85) }
```

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

Here you see how a box with a 4 pixel rgb(0, 181, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 181, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.1636, 33.7036, 14.1425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 85) }
```

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

```
.background{ background-color: rgb(0, 181,  
85) }
```

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