

Converting Colors

XYZ(17.6819, 31.7221, 14.1292)

Have a look what the booklet for
XYZ(17.6819, 31.7221, 14.1292)
contains.

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Color

**XYZ(17.6775, 31.6714,
14.1983)**

Conversions

Conversions Part 1

Format	Color
Hex	21AF57
RGB	33, 175, 87
RGB Percent	13%, 69%, 34%
CMY	0.8706, 0.3137, 0.6588
CMYK	0.81, 0.00, 0.50, 0.31
HSL	143°, 68%, 41%
HSV	143°, 81%, 69%
XYZ	17.6775, 31.6714, 14.1983
YIQ	122.5100, -56.3840, -57.4720

Conversions

Conversions Part 2

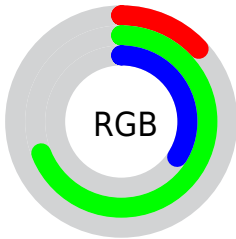
Format	Color
RYB	33, 136, 175
Decimal	2207575
CIELab	63.07, -55.41, 34.91
CIELCh	63, 65.493, 147.791
Yxy	31.6714, 0.2782, 0.4984
Android (android.graphics.Color)	4280397655 (0xFF21AF57)
YUV	122.5100, -17.5064, -78.5003
Hunter-Lab	56.2773, -42.4160, 24.4358

Details

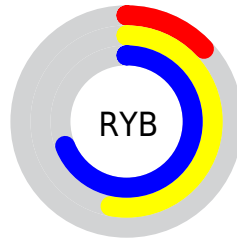
The XYZ color **17.6775, 31.6714, 14.1983** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **21.6753, 11.5828, 19.1840**, and the grayscale version is **18.7354, 19.7111, 21.4653**.

A 20% lighter version of the original color is **39.0376, 62.4318, 34.0378**, and **7.1872, 13.8147, 4.1214** is the 20% darker color. If you saturate the color by 10%, you get **16.8458, 31.2910, 12.0180**, and if you desaturate by 10%, it is **18.8684, 32.2311, 16.7444**.

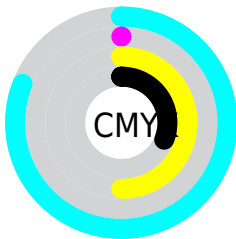
Distribution



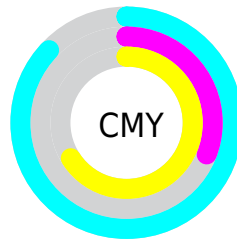
- Red (13%)
- Green (69%)
- Blue (34%)



- Red (13%)
- Yellow (53%)
- Blue (69%)



- Cyan (81%)
- Magenta (0%)
- Yellow (50%)
- Black (31%)




- Cyan (87%)
- Magenta (31%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.6775, 31.6714, 14.1983 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 17.6775, 31.6714, 14.1983 by changing the saturation by 10% instead.


 17.6775, 31.6714,
14.1983


 17.6775, 31.6714,
14.1983


232.1278,
309.6196, 229.9322


 10.8170, 21.1106,
8.1184


 39.0214, 62.2956,
34.1626


 6.0103, 13.2049,
4.0819


 54.2355, 83.1278,
48.8842


 2.8921, 7.5698,
1.6704


 72.9649, 108.1526,
67.3233

 1.0969, 3.8209,
0.3403

 95.5749, 137.7545,
89.8986

 0.0226, 1.5739,
0.0000

 122.4308,
172.3177, 117.0286

 0.0000, 0.3399,
0.0000

153.8980,

 0.0000, 0.0000,

212.2267, 149.1318

0.0000

190.3419,
257.8659, 186.6268

■ 17.6775, 31.6714,
14.1983

■ 17.6775, 31.6714,
14.1983

■ 16.8458, 31.2910,
12.0180

■ 18.8684, 32.2311,
16.7444

■ 16.3302, 31.0610,
10.3742

■ 20.4586, 32.9878,
19.6705

■ 22.4851, 33.9610,
22.9929

■ 24.9798, 35.1670,
26.7258

■ 27.9714, 36.6204,
30.8831

■ 31.4864, 38.3344,
35.4777

■ 35.5492, 40.3214,
40.5220

■ 40.1827, 42.5930,
46.0281

■ 45.4085, 45.1600,
52.0074

Harmonies

Analogous

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



22.7149, 31.6714, 6.5561



17.6775, 31.6714, 14.1983



15.8785, 31.6714, 32.6041

Triad

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



17.6775, 31.6714, 14.1983



29.4387, 31.6714, 111.8033



48.2126, 31.6714, 16.1153

Complementary

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



17.6775, 31.6714, 14.1983



21.6753, 11.5828, 19.1840

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.



50.9865, 31.6714, 36.4364



17.6775, 31.6714, 14.1983



38.9404, 31.6714, 99.7852

Square

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



17.6775, 31.6714, 14.1983



21.7680, 31.6714, 95.9450



47.3026, 31.6714, 68.3378



40.3323, 31.6714, 7.2102

Rectangle

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



17.6775, 31.6714, 14.1983



16.4178, 31.6714, 52.0081



47.3026, 31.6714, 68.3378



49.8345, 31.6714, 21.4193

Sweetspot

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



17.6783, 31.6727, 14.1990



54.2220, 67.5951, 60.7554



23.7645, 34.9772, 6.9379



11.5623, 14.7852, 12.8640



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



17.6783, 31.6727, 14.1990



29.4084, 55.7019, 18.9914



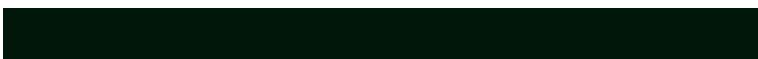
21.9646, 33.3872, 36.7702



8.0258, 8.9879, 9.1609



11.7221, 22.2541, 7.5763



0.3532, 0.6299, 0.3536

Inverse Universe

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



21.6753, 11.5828, 19.1840



36.7125, 18.4609, 27.7089



18.8423, 10.4496, 4.2653



8.2060, 8.0956, 9.3956



14.6470, 7.3213, 11.0525



0.4330, 0.2139, 0.4419

Previews

White Background



This preview shows how the XYZ color 17.6775, 31.6714, 14.1983 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 17.6775, 31.6714, 14.1983 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 17.6775, 31.6714, 14.1983

Background



This preview shows how black text looks on a background with the XYZ color 17.6775, 31.6714, 14.1983.



This preview shows how white text looks on a background with the XYZ color 17.6775, 31.6714,

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

17.6775, 31.6714, 14.1983

Protanopia

28.5759, 31.2365, 11.9203

Deuteranopia

31.7194, 31.1443, 15.1661



Tritanopia

24.2387, 31.5411, 46.9300

Trichromacy



Original Color

17.6775, 31.6714, 14.1983



Protanomaly

21.5650, 29.6024, 12.5599



Deuteranomaly

22.7223, 29.1388, 14.5520



Tritanomaly

21.0437, 31.3198, 31.7243

Monochromacy



Original Color

17.6775, 31.6714, 14.1983



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.7039, 22.6455, 18.2425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6775, 31.6714, 14.1983 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(33, 175, 87)` looks like.

```
.text, #text, p{  
    color:rgb(33, 175, 87)  
}
```

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(33, 175, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 175, 87) }
```

Border

The CSS property to change the border of an element to XYZ 17.6775, 31.6714, 14.1983 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(33, 175, 87) }
```


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

```
.border{ border-color:rgb(33, 175, 87) }
```

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

Here you see how a box with a 4 pixel rgb(33, 175, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 175, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 175, 87);  
box-shadow:4px 4px 4px 4px rgb(33, 175,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6775, 31.6714, 14.1983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 175, 87) }
```

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

```
.background{ background-color: rgb(33, 175,  
87) }
```

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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