

Converting Colors

XYZ(16.5961, 31.7200, 14.3252)

Have a look what the booklet for
XYZ(16.5961, 31.7200, 14.3252)
contains.

XYZ(17.4424, 32.1324, 14.2997)	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(17.4424, 32.1324,
14.2997)**

Conversions

Conversions Part 1

Format	Color
Hex	00B157
RGB	0, 177, 87
RGB Percent	0%, 69%, 34%
CMY	1.0000, 0.3059, 0.6588
CMYK	1.00, 0.00, 0.51, 0.31
HSL	149°, 100%, 35%
HSV	149°, 100%, 69%
XYZ	17.4424, 32.1324, 14.2997
YIQ	113.8170, -76.6020, -65.5140

Conversions

Conversions Part 2

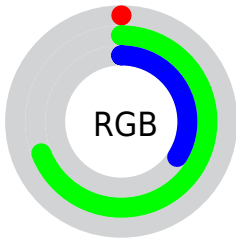
Format	Color
RYB	0, 119, 177
Decimal	45399
CIELab	63.45, -58.33, 35.33
CIELCh	63, 68.194, 148.800
Yxy	32.1324, 0.2731, 0.5031
Android (android.graphics.Color)	4278235479 (0xFF00B157)
YUV	113.8170, -13.2208, -99.8175
Hunter-Lab	56.6854, -44.2742, 24.7231

Details

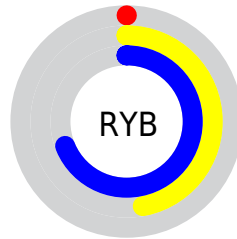
The XYZ color **17.4424, 32.1324, 14.2997** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **19.9778, 10.0858, 10.5674**, and the grayscale version is **15.9949, 16.8279, 18.3256**.

A 20% lighter version of the original color is **38.6264, 63.0603, 34.1808**, and **7.4328, 14.3059, 4.2033** is the 20% darker color. If you saturate the color by 10%, you get **17.4431, 32.1337, 14.3001**, and if you desaturate by 10%, it is **18.0781, 32.4159, 16.3711**.

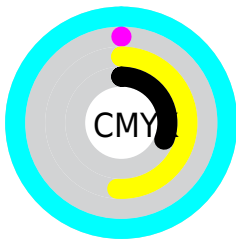
Distribution



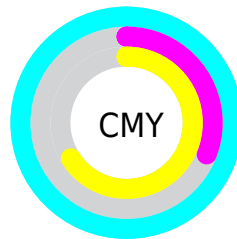
- Red (0%)
- Green (69%)
- Blue (34%)



- Red (0%)
- Yellow (47%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4424, 32.1324, 14.2997 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 17.4424, 32.1324, 14.2997 by changing the saturation by 10% instead.


 17.4424, 32.1324,
14.2997


 17.4424, 32.1324,
14.2997


230.8159,
311.7219, 230.5803


 10.6477, 21.4626,
8.1883


 38.6224, 63.0186,
34.3446


 5.8960, 13.4626,
4.1262


 53.7385, 84.0038,
49.1152


 2.8220, 7.7479,
1.6948


 72.3590, 109.1963,
67.6092

 1.0603, 3.9340,
0.3572

 94.8493, 138.9805,
90.2453

 0.0000, 1.6367,
0.0000

 121.5748,
173.7408, 117.4418

 0.0000, 0.3822,
0.0000

 152.9008,

 0.0000, 0.0000,

213.8615, 149.6175

0.0000

189.1927,
259.7271, 187.1908

■ 17.4424, 32.1324,
14.2997

■ 17.4424, 32.1324,
14.2997

■ 17.4431, 32.1337,
14.3001

■ 18.0781, 32.4159,
16.3711

■ 18.9796, 32.8299,
18.7019

■ 20.2339, 33.4202,
21.3048

■ 21.8823, 34.2079,
24.1894

■ 23.9603, 35.2110,
27.3646

■ 26.4990, 36.4454,
30.8388

■ 29.5266, 37.9257,
34.6200

■ 33.0689, 39.6648,
38.7159

■ 37.1498, 41.6751,
43.1340

Harmonies

Analogous

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



22.5678, 32.1324, 6.2690



17.4424, 32.1324, 14.2997



15.6909, 32.1324, 33.9040

Triad

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



17.4424, 32.1324, 14.2997



30.1604, 32.1324, 117.5386



49.4805, 32.1324, 15.3690

Complementary

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



17.4424, 32.1324, 14.2997



19.9778, 10.0858, 10.5674

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.



52.6535, 32.1324, 36.0923



17.4424, 32.1324, 14.2997



40.2003, 32.1324, 103.6527

Square

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



17.4424, 32.1324, 14.2997



22.0312, 32.1324, 101.4120



48.9554, 32.1324, 69.6338



41.0003, 32.1324, 6.6232

Rectangle

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



17.4424, 32.1324, 14.2997



16.3209, 32.1324, 54.6712



48.9554, 32.1324, 69.6338



51.2720, 32.1324, 20.7050

Sweetspot

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



17.4432, 32.1337, 14.3004



52.5783, 67.7736, 61.6392



20.0820, 33.6928, 5.4450



10.8923, 14.4418, 12.7432



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.



17.4432, 32.1337, 14.3004



31.1275, 57.5036, 25.0238



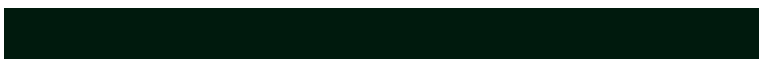
23.3680, 34.5036, 45.4998



8.5573, 9.5574, 9.9282



12.6682, 23.2932, 10.5215



0.4281, 0.7447, 0.4864

Inverse Universe

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



19.9778, 10.0858, 10.5674



35.6659, 18.0176, 18.3339



18.1484, 9.3540, 0.9338



8.6706, 8.5750, 9.7640



14.5047, 7.3195, 7.8179



0.4858, 0.2421, 0.4007

Previews

White Background



This preview shows how the XYZ color 17.4424, 32.1324, 14.2997 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 17.4424, 32.1324, 14.2997 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 17.4424, 32.1324, 14.2997

Background



This preview shows how black text looks on a background with the XYZ color 17.4424, 32.1324, 14.2997.



This preview shows how white text looks on a background with the XYZ color 17.4424, 32.1324,

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

17.4424, 32.1324, 14.2997

Protanopia

28.9510, 31.6718, 11.9845

Deuteranopia

32.1116, 31.5743, 15.2285



Tritanopia

24.4408, 32.1617, 48.0997

Trichromacy



Original Color

17.4424, 32.1324, 14.2997



Protanomaly

20.5067, 29.5757, 12.6105



Deuteranomaly

21.3249, 28.6686, 14.5349



Tritanomaly

20.7475, 31.7147, 32.2222

Monochromacy



Original Color

17.4424, 32.1324, 14.2997



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.1920, 20.3073, 16.2684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4424, 32.1324, 14.2997 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, 177, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 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(0, 177, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 87) }
```

Border

The CSS property to change the border of an element to XYZ 17.4424, 32.1324, 14.2997 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, 177, 87) }
```


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

```
.border{ border-color:rgb(0, 177, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 177, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.4424, 32.1324, 14.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 87) }
```

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

```
.background{ background-color: rgb(0, 177,  
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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