

Converting Colors

XYZ(32.0771, 60.2626, 17.3044)

Have a look what the booklet for
XYZ(32.0771, 60.2626, 17.3044)
contains.

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Color

**XYZ(32.2463, 60.5620,
17.3872)**

Conversions

Conversions Part 1

Format	Color
Hex	2EEB4F
RGB	46, 235, 79
RGB Percent	18%, 92%, 31%
CMY	0.8196, 0.0784, 0.6902
CMYK	0.80, 0.00, 0.66, 0.08
HSL	130°, 83%, 55%
HSV	130°, 80%, 92%
XYZ	32.2463, 60.5620, 17.3872
YIQ	160.7050, -62.5680, -88.5840

Conversions

Conversions Part 2

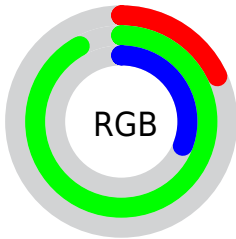
Format	Color
RYB	46, 207, 235
Decimal	3074895
CIELab	82.14, -74.30, 60.71
CIELCh	82, 95.949, 140.751
Yxy	60.5620, 0.2926, 0.5496
Android (android.graphics.Color)	4281264975 (0xFF2EEB4F)
YUV	160.7050, -40.2806, -100.5963
Hunter-Lab	77.8216, -62.2242, 41.2283

Details

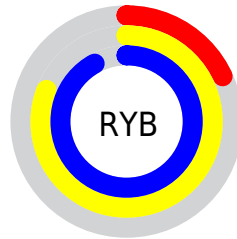
The XYZ color **32.2463, 60.5620, 17.3872** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **45.9001, 23.8812, 58.0676**, and the grayscale version is **33.9424, 35.7101, 38.8883**.

A 20% lighter version of the original color is **48.5205, 77.6012, 34.9755**, and **15.9868, 31.8673, 5.6563** is the 20% darker color. If you saturate the color by 10%, you get **30.8568, 59.9175, 14.1598**, and if you desaturate by 10%, it is **34.4231, 61.5921, 21.7292**.

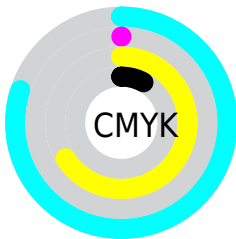
Distribution



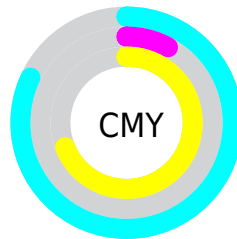
- Red (18%)
- Green (92%)
- Blue (31%)



- Red (18%)
- Yellow (81%)
- Blue (92%)



- Cyan (80%)
- Magenta (0%)
- Yellow (66%)
- Black (8%)





- Cyan (82%)
- Magenta (8%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2463, 60.5620, 17.3872 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 32.2463, 60.5620, 17.3872 by changing the saturation by 10% instead.


 32.2463, 60.5620,
17.3872


 32.2463, 60.5620,
17.3872


303.9651,
426.6662, 249.5130


 21.7062, 43.8718,
10.3461


 62.5596, 105.6445,
39.7901


 13.7565, 30.5697,
5.5204


 83.0635, 134.8056,
55.9889


 8.0321, 20.2714,
2.4917


 107.6193,
168.8923, 76.0773

 4.1675, 12.5925,
0.8358

 136.5924,
208.2893, 100.4739

 1.7973, 7.1485,
0.0000

 170.3482,
253.3807, 129.5972

 0.5160, 3.5552,
0.0000

209.2520,

 0.0000, 1.4280,

304.5511, 163.8658

0.0000

253.6692,
362.1848, 203.6982

■ 0.0000, 0.2372,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.2463, 60.5620,
17.3872

■ 32.2463, 60.5620,
17.3872

■ 30.8568, 59.9175,
14.1598


■ 34.4231, 61.5921,
21.7292


■ 30.1104, 59.5794,
12.0142


■ 37.4820, 63.0495,
27.2711


■ 41.5083, 64.9783,
34.0947


■ 46.5762, 67.4151,
42.2735

 52.7524, 70.3929,
51.8753

 60.0979, 73.9419,
62.9632

 68.6693, 78.0899,
75.5969

 78.5196, 82.8630,
89.8325

 88.7710, 87.8076,
105.6799

Harmonies

Analogous

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



44.7701, 60.5620, 6.8354



32.2463, 60.5620, 17.3872



26.9123, 60.5620, 49.5061

Triad

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



32.2463, 60.5620, 17.3872



51.4940, 60.5620, 250.1799



102.5071, 60.5620, 33.6475

Complementary

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



32.2463, 60.5620, 17.3872



45.9001, 23.8812, 58.0676

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.



105.5211, 60.5620, 85.6634



32.2463, 60.5620, 17.3872



72.5851, 60.5620, 236.2909

Square

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



32.2463, 60.5620, 17.3872



36.1674, 60.5620, 196.5381



93.5337, 60.5620, 165.4188



86.0696, 60.5620, 11.6354

Rectangle

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



32.2463, 60.5620, 17.3872



27.0198, 60.5620, 89.1587



93.5337, 60.5620, 165.4188



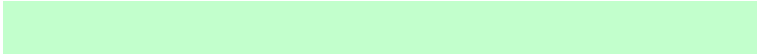
105.2542, 60.5620, 47.1517

Sweetspot

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



32.2477, 60.5645, 17.3886



68.9144, 87.3459, 70.6606



54.9687, 72.3837, 13.6592



14.0786, 18.3710, 14.1087



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.2477, 60.5645, 17.3886



36.4498, 71.8070, 15.0528



38.2830, 62.9786, 49.1697



14.9757, 16.9051, 16.5548



16.7896, 33.1703, 6.8568



1.3496, 2.6171, 0.7026

Inverse Universe

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



45.9001, 23.8812, 58.0676



53.1824, 26.1698, 64.4083



37.9998, 20.7211, 16.4653



15.5953, 15.2660, 18.4204



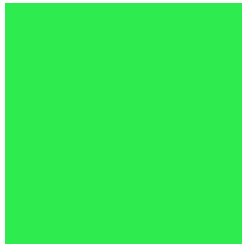
24.5274, 12.0136, 29.6422



1.9557, 0.9552, 2.4838

Previews

White Background



This preview shows how the XYZ color 32.2463, 60.5620, 17.3872 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 32.2463, 60.5620, 17.3872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

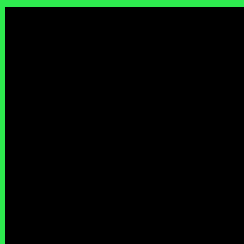
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.2463, 60.5620, 17.3872

Background



This preview shows how black text looks on a background with the XYZ color 32.2463, 60.5620, 17.3872.

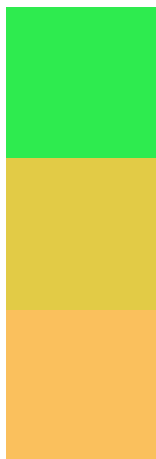


This preview shows how white text looks on a background with the XYZ color 32.2463, 60.5620,

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

32.2463, 60.5620, 17.3872

Protanopia

53.8255, 59.3228, 14.4079

Deuteranopia

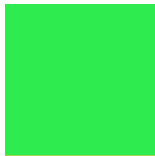
60.2498, 58.8136, 18.5326



Tritanopia

46.6193, 60.2430, 90.0599

Trichromacy



Original Color

32.2463, 60.5620, 17.3872



Protanomaly

40.2010, 56.6590, 15.1208



Deuteranomaly

42.2218, 55.0464, 17.6322



Tritanomaly

38.6431, 58.9396, 52.5198

Monochromacy



Original Color

32.2463, 60.5620, 17.3872



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

29.6877, 41.5271, 27.9235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2463, 60.5620, 17.3872 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(46, 235, 79)` looks like.

```
.text, #text, p{  
  color:rgb(46, 235, 79)  
}
```

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(46, 235, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 235, 79) }
```

Border

The CSS property to change the border of an element to XYZ 32.2463, 60.5620, 17.3872 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(46, 235, 79) }
```


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

```
.border{ border-color:rgb(46, 235, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 235, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 235, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 235, 79);  
box-shadow:4px 4px 4px 4px rgb(46, 235,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2463, 60.5620, 17.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 235, 79) }
```

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

```
.background{ background-color: rgb(46, 235,  
79) }
```

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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