

Converting Colors

XYZ(32.5310, 59.3397, 22.9137)

Have a look what the booklet for
XYZ(32.5310, 59.3397, 22.9137)
contains.

XYZ(32.4820, 59.2935, 22.8295)	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(32.4820, 59.2935,
22.8295)**

Conversions

Conversions Part 1

Format	Color
Hex	2EE868
RGB	46, 232, 104
RGB Percent	18%, 91%, 41%
CMY	0.8196, 0.0902, 0.5921
CMYK	0.80, 0.00, 0.55, 0.09
HSL	139°, 80%, 55%
HSV	139°, 80%, 91%
XYZ	32.4820, 59.2935, 22.8295
YIQ	161.7940, -69.7680, -79.2400

Conversions

Conversions Part 2

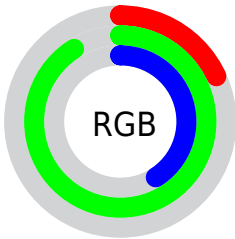
Format	Color
RYB	46, 188, 232
Decimal	3074152
CIELab	81.45, -70.48, 49.21
CIELCh	81, 85.958, 145.080
Yxy	59.2935, 0.2834, 0.5174
Android (android.graphics.Color)	4281264232 (0xFF2EE868)
YUV	161.7940, -28.4924, -101.5513
Hunter-Lab	77.0023, -59.4570, 36.3234

Details

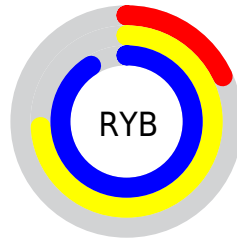
The XYZ color **32.4820, 59.2935, 22.8295** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark washed spring green. A complement of this color would be **41.8974, 22.1668, 42.1165**, and the grayscale version is **34.4001, 36.1916, 39.4127**.

A 20% lighter version of the original color is **50.0999, 78.1996, 44.8012**, and **15.9275, 30.8990, 8.2566** is the 20% darker color. If you saturate the color by 10%, you get **30.9696, 58.6005, 18.9195**, and if you desaturate by 10%, it is **34.7147, 60.3434, 27.5773**.

Distribution



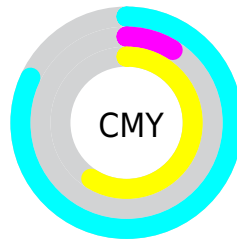
- Red (18%)
- Green (91%)
- Blue (41%)



- Red (18%)
- Yellow (74%)
- Blue (91%)



- Cyan (80%)
- Magenta (0%)
- Yellow (55%)
- Black (9%)





- Cyan (82%)
- Magenta (9%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4820, 59.2935, 22.8295 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 32.4820, 59.2935, 22.8295 by changing the saturation by 10% instead.


 32.4820, 59.2935,
22.8295


 32.4820, 59.2935,
22.8295


305.0155,
421.9887, 279.9415


 21.8873, 42.8494,
14.2635


 62.9261, 103.8041,
49.0329


 13.8902, 29.7670,
8.1634


 83.5061, 132.6395,
67.5073


 8.1255, 19.6618,
4.1104

 108.1452,
166.3740, 90.1217

 4.2279, 12.1494,
1.6861

 137.2089,
205.3922, 117.2946

 1.8318, 6.8455,
0.3512

 171.0624,
250.0783, 149.4445

 0.5367, 3.3657,
0.0000

210.0711,

 0.0000, 1.3255,

300.8169, 186.9899

0.0000

254.6004,
357.9922, 230.3494

■ 0.0000, 0.1608,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.4820, 59.2935,
22.8295

■ 32.4820, 59.2935,
22.8295

■ 30.9696, 58.6005,
18.9195


■ 34.7147, 60.3434,
27.5773


■ 30.0387, 58.1879,
15.8384


■ 37.7511, 61.7874,
33.2049


■ 41.6671, 63.6652,
39.7558

■ 46.5281, 66.0098,
47.2697

 52.3932, 68.8510,
55.7837

 59.3167, 72.2160,
65.3330

 67.3486, 76.1299,
75.9510

 76.5359, 80.6163,
87.6698

 86.9227, 85.6973,
100.5198

Harmonies

Analogous

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



42.9267, 59.2935, 9.9776



32.4820, 59.2935, 22.8295



28.4366, 59.2935, 56.4294

Triad

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



32.4820, 59.2935, 22.8295



53.4410, 59.2935, 222.1483



93.8593, 59.2935, 31.0098

Complementary

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



32.4820, 59.2935, 22.8295



41.8974, 22.1668, 42.1165

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.



98.3325, 59.2935, 73.4375



32.4820, 59.2935, 22.8295



72.3308, 59.2935, 202.3102

Square

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



32.4820, 59.2935, 22.8295



38.7810, 59.2935, 184.6514



89.7513, 59.2935, 139.5130



78.5723, 59.2935, 12.6306

Rectangle

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



32.4820, 59.2935, 22.8295



29.1163, 59.2935, 93.9220



89.7513, 59.2935, 139.5130



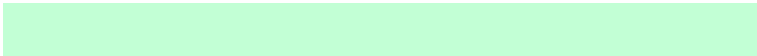
96.7986, 59.2935, 42.0610

Sweetspot

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



32.4835, 59.2959, 22.8308



69.9523, 87.7611, 76.1263



47.3015, 67.1666, 13.0565



14.3228, 18.4687, 15.3946



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.



32.4835, 59.2959, 22.8308



37.5891, 72.2664, 20.8854



39.8127, 62.2276, 61.4263



14.3735, 16.1628, 16.2316



16.7256, 32.3224, 9.0554



1.2766, 2.4048, 0.8833

Inverse Universe

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



41.8974, 22.1668, 42.1165



49.4535, 24.7225, 44.6354



35.8263, 19.7384, 10.1464



14.7938, 14.5347, 17.1143



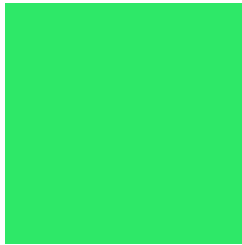
22.0401, 10.9503, 19.6379



1.6701, 0.8257, 1.6690

Previews

White Background



This preview shows how the XYZ color 32.4820, 59.2935, 22.8295 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 32.4820, 59.2935, 22.8295 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

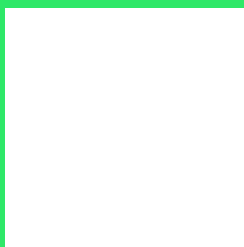
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4820, 59.2935, 22.8295

Background



This preview shows how black text looks on a background with the XYZ color 32.4820, 59.2935, 22.8295.

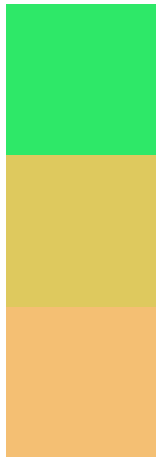


This preview shows how white text looks on a background with the XYZ color 32.4820, 59.2935,

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

32.4820, 59.2935, 22.8295

Protanopia

53.0312, 58.1110, 19.0112

Deuteranopia

59.0335, 57.7325, 24.2517



Tritanopia

45.3573, 58.8516, 88.3258

Trichromacy



Original Color

32.4820, 59.2935, 22.8295



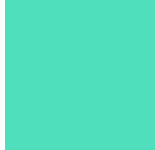
Protanomaly

39.8486, 55.2379, 20.1170



Deuteranomaly

41.9538, 54.0610, 23.2625



Tritanomaly

38.7730, 58.1117, 56.7501

Monochromacy



Original Color

32.4820, 59.2935, 22.8295



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

30.3238, 41.4568, 31.6030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4820, 59.2935, 22.8295 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, 232, 104)` looks like.

```
.text, #text, p{  
    color:rgb(46, 232, 104)  
}
```

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, 232, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 232, 104) }
```

Border

The CSS property to change the border of an element to XYZ 32.4820, 59.2935, 22.8295 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, 232, 104) }
```


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

```
.border{ border-color:rgb(46, 232, 104) }
```

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

Here you see how a box with a 4 pixel rgb(46, 232, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 232, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 232, 104);  
box-shadow:4px 4px 4px 4px rgb(46, 232,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4820, 59.2935, 22.8295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 232, 104) }
```

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

```
.background{ background-color: rgb(46, 232,  
104) }
```

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