

Converting Colors

XYZ(30.4608, 59.7664, 11.9443)

Have a look what the booklet for
XYZ(30.4608, 59.7664, 11.9443)
contains.

XYZ(30.4447, 59.7520, 11.9362)	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(30.4447, 59.7520,
11.9362)**

Conversions

Conversions Part 1

Format	Color
Hex	17EB28
RGB	23, 235, 40
RGB Percent	9%, 92%, 16%
CMY	0.9098, 0.0784, 0.8431
CMYK	0.90, 0.00, 0.83, 0.08
HSL	125°, 84%, 51%
HSV	125°, 90%, 92%
XYZ	30.4447, 59.7520, 11.9362
YIQ	149.3820, -63.7570, -105.5890

Conversions

Conversions Part 2

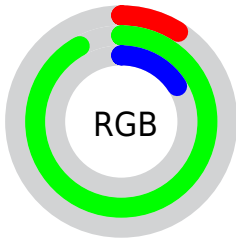
Format	Color
RYB	23, 219, 235
Decimal	1567528
CIELab	81.70, -79.03, 72.73
CIELCh	82, 107.405, 137.375
Yxy	59.7520, 0.2981, 0.5850
Android (android.graphics.Color)	4279757608 (0xFF17EB28)
YUV	149.3820, -53.9253, -110.8370
Hunter-Lab	77.2994, -64.9710, 44.9543

Details

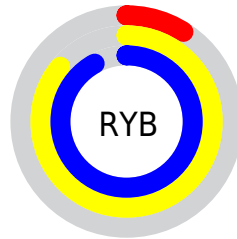
The XYZ color **30.4447, 59.7520, 11.9362** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **47.2230, 23.3375, 68.3422**, and the grayscale version is **28.9696, 30.4783, 33.1909**.

A 20% lighter version of the original color is **45.7299, 76.3710, 25.4276**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **29.8258, 59.4655, 10.5156**, and if you desaturate by 10%, it is **31.7183, 60.3553, 14.4818**.

Distribution



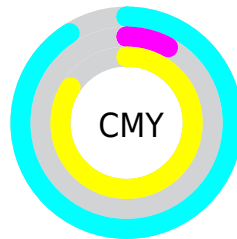
- Red (9%)
- Green (92%)
- Blue (16%)



- Red (9%)
- Yellow (86%)
- Blue (92%)



- Cyan (90%)
- Magenta (0%)
- Yellow (83%)
- Black (8%)



- Cyan (91%)
- Magenta (8%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4447, 59.7520, 11.9362 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 30.4447, 59.7520, 11.9362 by changing the saturation by 10% instead.


 30.4447, 59.7520,
11.9362


 30.4447, 59.7520,
11.9362


295.8446,
423.6830, 214.9454

 20.3261, 43.2188,
6.5782


 59.7466, 104.4698,
30.0415


 12.7420, 30.0568,
3.1253


 79.6605, 133.4232,
43.6259


 7.3269, 19.8817,
1.1590


 103.5704,
167.2854, 60.7896

 3.7155, 12.3091,
0.0000

 131.8414,
206.4409, 81.9510

 1.5425, 6.9545,
0.0000

 164.8390,
251.2740, 107.5288

 0.3545, 3.4337,
0.0000

 202.9285,

 0.0000, 1.3621,

302.1691, 137.9414

0.0000

246.4752,
359.5107, 173.6074

■ 0.0000, 0.1886,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.4447, 59.7520,
11.9362

■ 30.4447, 59.7520,
11.9362


■ 29.8258, 59.4655,
10.5156


■ 31.7183, 60.3553,
14.4818

■ 33.8062, 61.3495,
18.2923


■ 36.8172, 62.7895,
23.5049


■ 40.8425, 64.7197,
30.2379

 45.9620, 67.1792,
38.5970

 52.2477, 70.2030,
48.6788

 59.7656, 73.8231,
60.5719

 68.5765, 78.0693,
74.3593

 78.7374, 82.9691,
90.1184

Harmonies

Analogous

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



44.7799, 59.7520, 3.9040



30.4447, 59.7520, 11.9362



24.0678, 59.7520, 41.4739

Triad

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



30.4447, 59.7520, 11.9362



47.8145, 59.7520, 277.7191



109.1751, 59.7520, 34.5246

Complementary

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



30.4447, 59.7520, 11.9362



47.2230, 23.3375, 68.3422

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.



110.6223, 59.7520, 96.2271



30.4447, 59.7520, 11.9362



70.7815, 59.7520, 270.7546

Square

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



30.4447, 59.7520, 11.9362



32.1560, 59.7520, 206.3008



95.1398, 59.7520, 190.9589



91.5934, 59.7520, 9.7332

Rectangle

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



30.4447, 59.7520, 11.9362



23.6799, 59.7520, 82.3760



95.1398, 59.7520, 190.9589



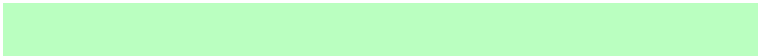
111.7039, 59.7520, 50.3580

Sweetspot

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



30.4461, 59.7545, 11.9375



65.5245, 85.7692, 62.7815



59.6436, 74.8327, 12.1113



13.4010, 18.0578, 12.4461



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.



30.4461, 59.7545, 11.9375



35.8904, 71.5722, 12.6066



35.0312, 61.5885, 36.0823



14.9174, 16.8818, 16.2477



16.6169, 33.1012, 5.9478



1.3219, 2.6061, 0.5567

Inverse Universe

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



47.2230, 23.3375, 68.3422



56.1692, 27.2317, 80.5463



37.6558, 19.5106, 17.9616



15.6596, 15.2917, 18.7589



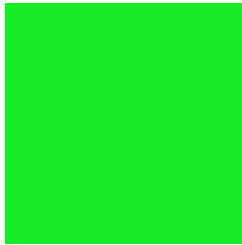
25.9989, 12.6023, 37.3914



2.0570, 0.9958, 3.0177

Previews

White Background



This preview shows how the XYZ color 30.4447, 59.7520, 11.9362 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 30.4447, 59.7520, 11.9362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

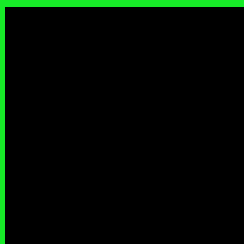
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4447, 59.7520, 11.9362

Background



This preview shows how black text looks on a background with the XYZ color 30.4447, 59.7520, 11.9362.



This preview shows how white text looks on a background with the XYZ color 30.4447, 59.7520,

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

30.4447, 59.7520, 11.9362

Protanopia

52.7319, 58.5087, 9.8104

Deuteranopia

59.6729, 58.3159, 12.8136



Tritanopia

45.7274, 59.4285, 88.4176

Trichromacy



Original Color

30.4447, 59.7520, 11.9362



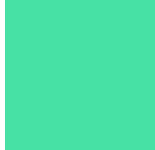
Protanomaly

37.2842, 54.8840, 10.1420



Deuteranomaly

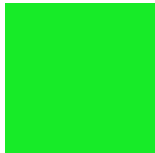
39.3646, 53.3365, 11.8347



Tritanomaly

36.3892, 57.9448, 44.8639

Monochromacy



Original Color

30.4447, 59.7520, 11.9362



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

24.6751, 36.6302, 20.2378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4447, 59.7520, 11.9362 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(23, 235, 40)` looks like.

```
.text, #text, p{  
    color:rgb(23, 235, 40)  
}
```

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(23, 235, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 235, 40) }
```

Border

The CSS property to change the border of an element to XYZ 30.4447, 59.7520, 11.9362 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(23, 235, 40) }
```


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

```
.border{ border-color:rgb(23, 235, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 235, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 235, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 235, 40);  
box-shadow:4px 4px 4px 4px rgb(23, 235,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4447, 59.7520, 11.9362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 235, 40) }
```

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

```
.background{ background-color: rgb(23, 235,  
40) }
```

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