

Converting Colors

XYZ(32.0000, 59.6754, 9.8860)

Have a look what the booklet for
XYZ(32.0000, 59.6754, 9.8860)
contains.

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Color

**XYZ(32.0515, 59.7781,
9.9065)**

Conversions

Conversions Part 1

Format	Color
Hex	4BE902
RGB	75, 233, 2
RGB Percent	29%, 91%, 1%
CMY	0.7059, 0.0863, 0.9920
CMYK	0.68, 0.00, 0.99, 0.09
HSL	101°, 98%, 46%
HSV	101°, 99%, 91%
XYZ	32.0515, 59.7781, 9.9065
YIQ	159.4240, -20.0170, -105.3370

Conversions

Conversions Part 2

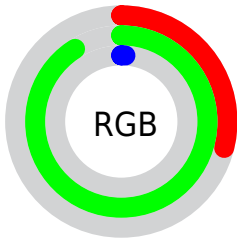
Format	Color
R_{YB}	2, 233, 160
Decimal	4974850
CIE _{Lab}	81.72, -73.17, 78.53
CIE _{LCh}	82, 107.334, 132.980
Yxy	59.7781, 0.3150, 0.5876
Android (android.graphics.Color)	4283164930 (0xFF4BE902)
YUV	159.4240, -77.6100, -74.0398
Hunter-Lab	77.3163, -61.3063, 46.5246

Details

The XYZ color **32.0515, 59.7781, 9.9065** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **29.2356, 13.4051, 78.1407**, and the grayscale version is **33.5035, 35.2483, 38.3854**.

A 20% lighter version of the original color is **49.0231, 78.1539, 21.7339**, and **15.5253, 31.0507, 5.1751** is the 20% darker color. If you saturate the color by 10%, you get **31.9341, 59.7207, 9.8441**, and if you desaturate by 10%, it is **33.6276, 60.5730, 10.8581**.

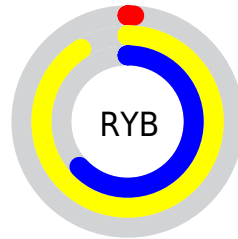
Distribution



Red (29%)

Green (91%)

Blue (1%)



Red (1%)

Yellow (91%)

Blue (63%)

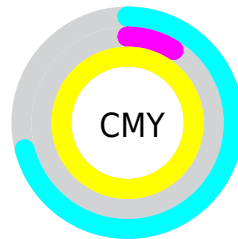


Cyan (68%)

Magenta (0%)

Yellow (99%)

Black (9%)



Cyan (71%)


Magenta (9%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0515, 59.7781, 9.9065 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 32.0515, 59.7781, 9.9065 by changing the saturation by 10% instead.


 32.0515, 59.7781,
9.9065


 32.0515, 59.7781,
9.9065


303.0949,
423.7794, 200.4640


 21.5566, 43.2398,
5.2322


 62.2565, 104.5077,
26.2245

 13.6462, 30.0733,
2.3230


 82.6972, 133.4678,
38.7054

 7.9551, 19.8942,
0.7441


 107.1840,
167.3373, 54.6255

 4.1178, 12.3182,
0.0000

 136.0820,
206.5006, 74.4034

 1.7690, 6.9608,
0.0000

 169.7568,
251.3420, 98.4577

 0.4989, 3.4376,
0.0000

 208.5737,

 0.0000, 1.3642,

302.2460, 127.2068

0.0000

252.8979,
359.5970, 161.0694

■ 0.0000, 0.1901,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.0515, 59.7781,
9.9065

■ 32.0515, 59.7781,
9.9065

■ 31.9341, 59.7207,
9.8441

■ 33.6276, 60.5730,
10.8581

■ 35.7356, 61.6173,
12.8752

■ 38.4501, 62.9449,
16.2427

■ 41.8234, 64.5790,
21.1432

■ 45.9016, 66.5397,
27.7310

■ 50.7259, 68.8456,
36.1415

■ 56.3341, 71.5134,
46.4966

■ 62.7614, 74.5587,
58.9075

■ 70.0406, 77.9963,
73.4768

Harmonies

Analogous

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



47.6089, 59.7781, 3.5490



32.0515, 59.7781, 9.9065



24.5818, 59.7781, 35.0435

Triad

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



32.0515, 59.7781, 9.9065



45.0278, 59.7781, 271.2145



110.5246, 59.7781, 40.9548

Complementary

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



32.0515, 59.7781, 9.9065



29.2356, 13.4051, 78.1407

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.



109.2940, 59.7781, 108.7135



32.0515, 59.7781, 9.9065



67.1425, 59.7781, 277.1354

Square

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



32.0515, 59.7781, 9.9065



30.5956, 59.7781, 192.0623



91.8721, 59.7781, 205.1063



94.8879, 59.7781, 11.7818

Rectangle

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



32.0515, 59.7781, 9.9065



23.5421, 59.7781, 71.7712



91.8721, 59.7781, 205.1063



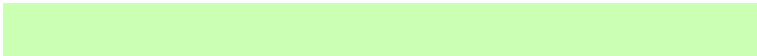
112.1707, 59.7781, 58.8334

Sweetspot

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



32.0529, 59.7806, 9.9078



68.3842, 87.4043, 55.6497



46.1640, 42.4231, 5.8138



13.9963, 18.4036, 10.7176



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.



32.0529, 59.7806, 9.9078



39.1155, 73.2498, 12.0770



29.6274, 58.4782, 12.1462



15.3161, 17.0930, 16.0108



18.2325, 33.9437, 5.5908



1.5280, 2.7150, 0.4435

Inverse Universe

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



29.2356, 13.4051, 78.1407



35.6045, 16.2697, 95.8715



42.9943, 21.1151, 50.9037



15.2252, 15.0613, 19.0269



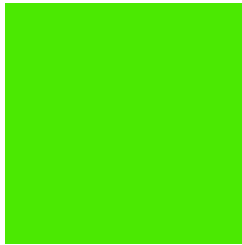
16.6368, 7.6125, 44.3355



1.4052, 0.6487, 3.4860

Previews

White Background



This preview shows how the XYZ color 32.0515, 59.7781, 9.9065 looks on a white background.

Color Contrast Check

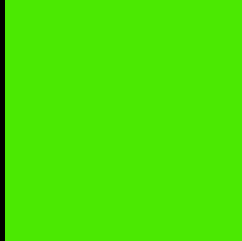
Large Text (above 18pt) WCAG AA × Fail

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 32.0515, 59.7781, 9.9065 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 32.0515, 59.7781, 9.9065

Background



This preview shows how black text looks on a background with the XYZ color 32.0515, 59.7781, 9.9065.



This preview shows how white text looks on a background with the XYZ color 32.0515, 59.7781,

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

32.0515, 59.7781, 9.9065

Protanopia

52.7991, 58.5720, 8.5227

Deuteranopia

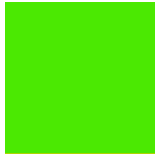
59.6932, 58.3660, 11.0253



Tritanopia

47.4099, 59.5593, 86.8392

Trichromacy



Original Color

32.0515, 59.7781, 9.9065



Protanomaly

40.8130, 56.3613, 8.7565



Deuteranomaly

43.0711, 54.9383, 9.7006



Tritanomaly

37.6016, 57.9204, 38.0521

Monochromacy



Original Color

32.0515, 59.7781, 9.9065



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

28.8593, 40.6663, 18.8987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0515, 59.7781, 9.9065 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(75, 233, 2)` looks like.

```
.text, #text, p{  
    color:rgb(75, 233, 2)  
}
```

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(75, 233, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 233, 2) }
```

Border

The CSS property to change the border of an element to XYZ 32.0515, 59.7781, 9.9065 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(75, 233, 2) }
```


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

```
.border{ border-color:rgb(75, 233, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 233, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 233, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 233, 2);  
box-shadow:4px 4px 4px 4px rgb(75, 233, 2)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.0515, 59.7781, 9.9065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 233, 2) }
```

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

```
.background{ background-color: rgb(75, 233,  
2) }
```

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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