

Converting Colors

XYZ(31.9278, 56.7977, 7.0387)

Have a look what the booklet for
XYZ(31.9278, 56.7977, 7.0387)
contains.

XYZ(32.4519, 57.1020, 9.3114)	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(32.4519, 57.1020,
9.3114)**

Conversions

Conversions Part 1

Format	Color
Hex	64E200
RGB	100, 226, 0
RGB Percent	39%, 89%, 0%
CMY	0.6078, 0.1137, 0.9999
CMYK	0.56, 0.00, 1.00, 0.11
HSL	93°, 100%, 44%
HSV	93°, 100%, 89%
XYZ	32.4519, 57.1020, 9.3114
YIQ	162.5620, -2.5500, -96.9980

Conversions

Conversions Part 2

Format	Color
RYB	0, 226, 126
Decimal	6611456
CIELab	80.24, -65.35, 77.81
CIElCh	80, 101.612, 130.025
Yxy	57.1020, 0.3282, 0.5776
Android (android.graphics.Color)	4284801536 (0xFF64E200)
YUV	162.5620, -80.1431, -54.8669
Hunter-Lab	75.5659, -55.5831, 45.5903

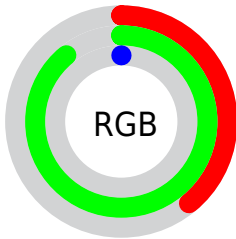
Details

The XYZ color **32.4519, 57.1020, 9.3114** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **22.3376, 9.9301, 72.6940**, and the grayscale version is **34.9758, 36.7972, 40.0722**.

A 20% lighter version of the original color is **52.5846, 79.9947, 21.6858**, and **14.3006, 28.4340, 4.7346** is the 20% darker color. If you saturate the color by 10%, you get **32.4512, 57.1034, 9.3117**, and if you desaturate by 10%, it is **34.1075, 57.9398, 10.1772**.

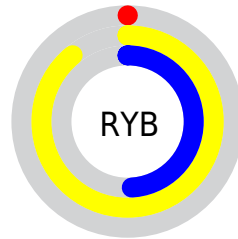
Distribution



Red (39%)

Green (89%)

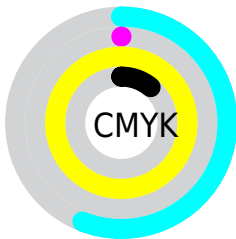
Blue (0%)



Red (0%)

Yellow (89%)

Blue (49%)

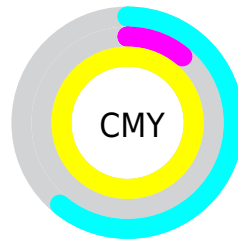


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (61%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4519, 57.1020, 9.3114 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 32.4519, 57.1020, 9.3114 by changing the saturation by 10% instead.


 32.4519, 57.1020,
9.3114


 32.4519, 57.1020,
9.3114


304.8815,
413.8314, 195.9870

 21.8641, 41.0871,
4.8453


 62.8793, 100.6140,
25.0792


 13.8731, 28.3872,
2.0996


 83.4496, 128.8799,
37.2180


 8.1136, 18.6177,
0.6155


 108.0781,
161.9983, 52.7515

 4.2201, 11.3944,
0.0000

 137.1302,
200.3536, 72.0981

 1.8274, 6.3328,
0.0000

 170.9713,
244.3302, 95.6764

 0.5341, 3.0485,
0.0000

 209.9666,

 0.0000, 1.1571,

294.3124, 123.9050

0.0000

254.4816,
350.6847, 157.2023

■ 0.0000, 0.0262,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.4519, 57.1020,
9.3114

■ 32.4519, 57.1020,
9.3114

■ 32.4512, 57.1034,
9.3117

■ 34.1075, 57.9398,
10.1772

■ 36.1629, 58.9616,
11.9808

■ 38.6850, 60.1971,
15.0222

■ 41.7144, 61.6634,
19.4732

■ 45.2864, 63.3757,
25.4782

■ 49.4324, 65.3472,
33.1638

■ 54.1811, 67.5904,
42.6436

■ 59.5591, 70.1165,
54.0213

■ 65.5911, 72.9364,
67.3925

Harmonies

Analogous

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



47.6226, 57.1020, 3.8889



32.4519, 57.1020, 9.3114



24.7563, 57.1020, 30.7475

Triad

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



32.4519, 57.1020, 9.3114



41.7572, 57.1020, 243.1717



103.7850, 57.1020, 44.3345

Complementary

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



32.4519, 57.1020, 9.3114



22.3376, 9.9301, 72.6940

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.



101.0510, 57.1020, 109.9275



32.4519, 57.1020, 9.3114



61.5170, 57.1020, 256.1237

Square

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



32.4519, 57.1020, 9.3114



29.1025, 57.1020, 168.3665



84.1775, 57.1020, 197.0758



90.9031, 57.1020, 13.8472

Rectangle

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



32.4519, 57.1020, 9.3114



23.3616, 57.1020, 62.2243



84.1775, 57.1020, 197.0758



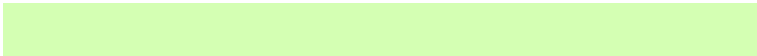
104.7260, 57.1020, 62.1245

Sweetspot

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



32.4532, 57.1044, 9.3127



71.0966, 88.8026, 55.7766



38.6128, 30.6641, 3.8845



14.6308, 18.7306, 10.7473



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.



32.4532, 57.1044, 9.3127



42.5457, 75.0182, 12.2376



27.2602, 54.4202, 9.3941



14.1014, 15.6324, 14.5809



18.6443, 32.6440, 5.3183



1.3940, 2.3151, 0.3734

Inverse Universe

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



22.3376, 9.9301, 72.6940



29.2378, 12.9875, 95.5736



43.5936, 21.0613, 65.8594



13.6794, 13.6183, 17.2953



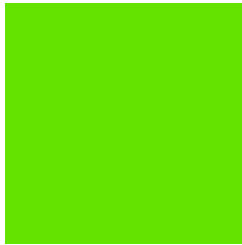
12.8805, 5.7354, 41.4765



0.9953, 0.4504, 2.8797

Previews

White Background



This preview shows how the XYZ color 32.4519, 57.1020, 9.3114 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 32.4519, 57.1020, 9.3114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

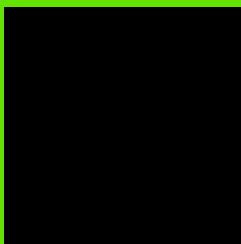
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

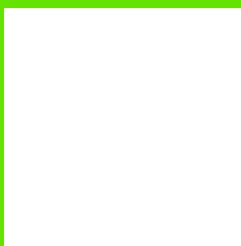
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4519, 57.1020, 9.3114

Background



This preview shows how black text looks on a background with the XYZ color 32.4519, 57.1020, 9.3114.



This preview shows how white text looks on a background with the XYZ color 32.4519, 57.1020,

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

32.4519, 57.1020, 9.3114

Protanopia

50.6255, 56.0761, 8.1555

Deuteranopia

56.9948, 55.7023, 10.4370



Tritanopia

46.7432, 56.7076, 81.1551

Trichromacy



Original Color

32.4519, 57.1020, 9.3114



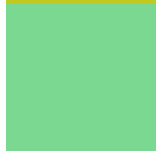
Protanomaly

40.9160, 54.5767, 8.3779



Deuteranomaly

43.3691, 53.3364, 9.2374



Tritanomaly

37.6159, 55.2629, 35.0698

Monochromacy



Original Color

32.4519, 57.1020, 9.3114



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.8728, 41.6927, 19.5170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4519, 57.1020, 9.3114 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(100, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(100, 226, 0)  
}
```

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(100, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 226, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.4519, 57.1020, 9.3114 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(100, 226, 0) }
```


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

```
.border{ border-color:rgb(100, 226, 0) }
```

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

Here you see how a box with a 4 pixel rgb(100, 226, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(100, 226,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4519, 57.1020, 9.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 226, 0) }
```

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

```
.background{ background-color: rgb(100,  
226, 0) }
```

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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