

Converting Colors

XYZ(32.4240, 63.1703, 14.5296)

Have a look what the booklet for
XYZ(32.4240, 63.1703, 14.5296)
contains.

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Color

**XYZ(32.5075, 63.3648,
14.5203)**

Conversions

Conversions Part 1

Format	Color
Hex	14F13A
RGB	20, 241, 58
RGB Percent	8%, 95%, 23%
CMY	0.9216, 0.0549, 0.7725
CMYK	0.92, 0.00, 0.76, 0.05
HSL	130°, 89%, 51%
HSV	130°, 92%, 95%
XYZ	32.5075, 63.3648, 14.5203
YIQ	154.0590, -72.9730, -103.7650

Conversions

Conversions Part 2

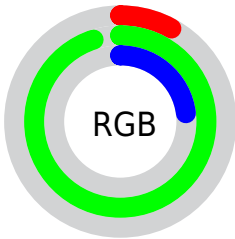
Format	Color
R_{YB}	20, 209, 241
Decimal	1372474
CIE _{Lab}	83.63, -79.79, 69.60
CIE _{LCh}	84, 105.883, 138.902
Yxy	63.3648, 0.2945, 0.5740
Android (android.graphics.Color)	4279562554 (0xFF14F13A)
YUV	154.0590, -47.3571, -117.5697
Hunter-Lab	79.6020, -66.4085, 44.9062

Details

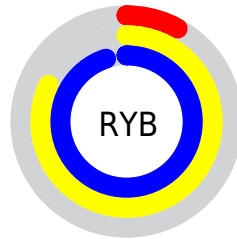
The XYZ color **32.5075, 63.3648, 14.5203** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **47.3065, 23.5136, 58.5440**, and the grayscale version is **30.9671, 32.5798, 35.4794**.

A 20% lighter version of the original color is **46.4421, 76.6559, 29.1779**, and **16.9335, 33.8670, 5.6445** is the 20% darker color. If you saturate the color by 10%, you get **31.8646, 63.0763, 12.6344**, and if you desaturate by 10%, it is **33.8735, 64.0004, 17.7688**.

Distribution



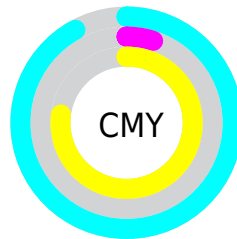
- Red (8%)
- Green (95%)
- Blue (23%)



- Red (8%)
- Yellow (82%)
- Blue (95%)



- Cyan (92%)
- Magenta (0%)
- Yellow (76%)
- Black (5%)



- Cyan (92%)
- Magenta (5%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5075, 63.3648, 14.5203 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 32.5075, 63.3648, 14.5203 by changing the saturation by 10% instead.

■ 32.5075, 63.3648,
14.5203

■ 32.5075, 63.3648,
14.5203

305.1290,
436.8922, 231.9839

■ 21.9069, 46.1364,
8.3406

■ 62.9657, 109.6956,
34.7397

■ 13.9047, 32.3535,
4.2227

■ 83.5539, 139.5669,
49.6165

■ 8.1357, 21.6316,
1.7483

■ 108.2021,
174.4211, 68.2294

■ 4.2344, 13.5865,
0.3935

■ 137.2755,
214.6429, 90.9969

■ 1.8356, 7.8336,
0.0000

■ 171.1396,
260.6164, 118.3375

■ 0.5390, 3.9887,
0.0000

210.1596,

■ 0.0000, 1.6672,

312.7263, 150.6699

0.0000

254.7010,
371.3567, 188.4125

■ 0.0000, 0.4023,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.5075, 63.3648,
14.5203

■ 32.5075, 63.3648,
14.5203


■ 31.8646, 63.0763,
12.6344


■ 33.8735, 64.0004,
17.7688


■ 36.0554, 65.0297,
22.1870


■ 39.1631, 66.5091,
27.8741


■ 43.2879, 68.4839,
34.9178

 48.5100, 70.9937,
43.3980

 54.9014, 74.0741,
53.3882

 62.5279, 77.7575,
64.9571

 71.4502, 82.0740,
78.1688

 81.7254, 87.0515,
93.0842

Harmonies

Analogous

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



46.9173, 63.3648, 4.9978



32.5075, 63.3648, 14.5203



26.2359, 63.3648, 47.2347

Triad

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



32.5075, 63.3648, 14.5203



52.0522, 63.3648, 285.1757



112.9655, 63.3648, 35.3676

Complementary

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



32.5075, 63.3648, 14.5203



47.3065, 23.5136, 58.5440

Split Complementary

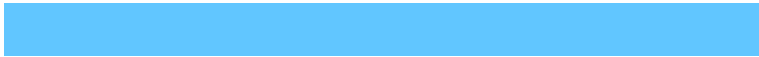
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.3689, 63.3648, 96.5795



32.5075, 63.3648, 14.5203



75.8405, 63.3648, 273.7570

Square

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



32.5075, 63.3648, 14.5203



35.4331, 63.3648, 216.7060



100.4195, 63.3648, 191.4254



94.5112, 63.3648, 10.5950

Rectangle

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



32.5075, 63.3648, 14.5203



26.0659, 63.3648, 90.6785



100.4195, 63.3648, 191.4254



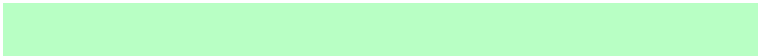
115.8268, 63.3648, 51.0745

Sweetspot

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



32.5090, 63.3674, 14.5217



65.3815, 85.6410, 65.2366



56.5314, 75.8251, 12.3181



13.2382, 17.9658, 12.8049



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.



32.5090, 63.3674, 14.5217



36.2119, 71.7007, 14.2994



38.7513, 65.8643, 47.3933



15.6768, 17.7008, 17.3211



17.3125, 34.2170, 7.0284



1.4719, 2.8592, 0.7513

Inverse Universe

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



47.3065, 23.5136, 58.5440



53.0164, 25.9705, 63.9435



38.5328, 20.0041, 12.3423



16.3308, 15.9820, 19.2980



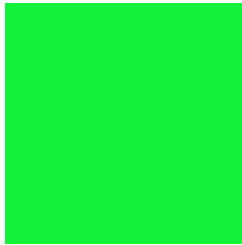
25.3411, 12.4089, 30.7765



2.1386, 1.0445, 2.7207

Previews

White Background



This preview shows how the XYZ color 32.5075, 63.3648, 14.5203 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 32.5075, 63.3648, 14.5203 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 32.5075, 63.3648, 14.5203

Background



This preview shows how black text looks on a background with the XYZ color 32.5075, 63.3648, 14.5203.

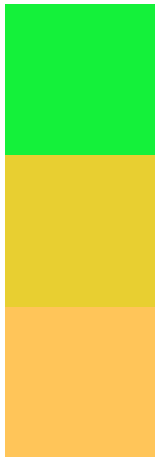


This preview shows how white text looks on a background with the XYZ color 32.5075, 63.3648,

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

32.5075, 63.3648, 14.5203

Protanopia

56.1459, 62.0032, 11.9143

Deuteranopia

63.0094, 61.9138, 18.0808



Tritanopia

48.4697, 63.0882, 94.4166

Trichromacy



Original Color

32.5075, 63.3648, 14.5203



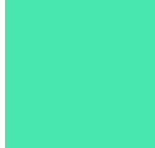
Protanomaly

39.4689, 57.8795, 12.3404



Deuteranomaly

41.7470, 56.6846, 15.9487



Tritanomaly

39.0849, 61.6641, 50.9167

Monochromacy



Original Color

32.5075, 63.3648, 14.5203



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

26.7144, 39.4530, 23.6600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5075, 63.3648, 14.5203 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(20, 241, 58)` looks like.

```
.text, #text, p{  
    color:rgb(20, 241, 58)  
}
```

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(20, 241, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 241, 58) }
```

Border

The CSS property to change the border of an element to XYZ 32.5075, 63.3648, 14.5203 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(20, 241, 58) }
```


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

```
.border{ border-color:rgb(20, 241, 58) }
```

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

Here you see how a box with a 4 pixel rgb(20, 241, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 241, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 241, 58);  
box-shadow:4px 4px 4px 4px rgb(20, 241,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5075, 63.3648, 14.5203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 241, 58) }
```

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

```
.background{ background-color: rgb(20, 241,  
58) }
```

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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