

Converting Colors

XYZ(52.4748, 80.4547, 36.3610)

Have a look what the booklet for
XYZ(52.4748, 80.4547, 36.3610)
contains.

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Color

**XYZ(51.9524, 79.3459,
36.2440)**

Conversions

Conversions Part 1

Format	Color
Hex	91FF89
RGB	145, 255, 137
RGB Percent	57%, 100%, 54%
CMY	0.4314, 0.0000, 0.4627
CMYK	0.43, 0.00, 0.46, 0.00
HSL	116°, 100%, 77%
HSV	116°, 46%, 100%
XYZ	51.9524, 79.3459, 36.2440
YIQ	208.6580, -27.6820, -60.0180

Conversions

Conversions Part 2

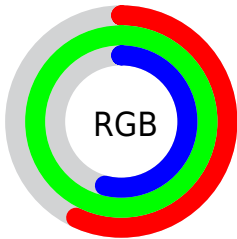
Format	Color
RYB	137, 255, 247
Decimal	9568137
CIELab	91.39, -54.08, 46.55
CIELCh	91, 71.351, 139.279
Yxy	79.3459, 0.3101, 0.4736
Android (android.graphics.Color)	4287758217 (0xFF91FF89)
YUV	208.6580, -35.3274, -55.8281
Hunter-Lab	89.0763, -51.7762, 38.2291

Details

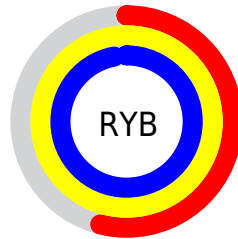
The XYZ color **51.9524, 79.3459, 36.2440** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **65.3548, 44.8868, 99.8272**, and the grayscale version is **60.6170, 63.7738, 69.4497**.

A 20% lighter version of the original color is **70.1763, 88.1631, 63.1877**, and **25.4042, 42.5510, 15.2617** is the 20% darker color. If you saturate the color by 10%, you get **46.5743, 76.7603, 27.5461**, and if you desaturate by 10%, it is **58.6398, 82.5564, 47.2617**.

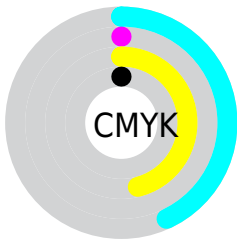
Distribution



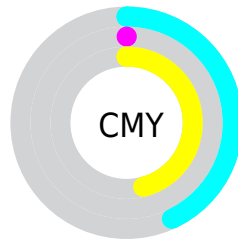
- Red (57%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (97%)



- Cyan (43%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9524, 79.3459, 36.2440 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 51.9524, 79.3459, 36.2440 by changing the saturation by 10% instead.


 51.9524, 79.3459,
36.2440

 51.9524, 79.3459,
36.2440


384.5798,
492.7257, 345.0954


 37.1913, 59.1802,
24.3315


 92.2357, 132.4457,
70.5818

 25.5300, 42.7582,
15.3653


 118.4885,
166.1487, 93.8442

 16.6032, 29.6955,
8.9267

 149.3026,
205.1328, 121.7269

 10.0455, 19.6076,
4.5972

185.0434,
249.7826, 154.6486

 5.4916, 12.1101,
1.9584

226.0761,
300.4824, 193.0278

 2.5762, 6.8187,
0.5295

272.7662,

 0.9338, 3.3490,

357.6166, 237.2829

0.0000

325.4790,
421.5696, 287.8326

0.0000, 1.3165,
0.0000

0.0000, 0.1539,
0.0000

51.9524, 79.3459,
36.2440

51.9524, 79.3459,
36.2440

46.5743, 76.7603,
27.5461

58.6398, 82.5564,
47.2617

42.4185, 74.7585,
20.9989

66.7137, 86.4286,
60.7450

39.3889, 73.2950,
16.4164

76.2465, 90.9968,
76.8317

37.3746, 72.3173,
13.5792

87.3053, 96.2927,
95.6487

■ 36.2417, 71.7623, 95.0500, 100.0000,
12.2143 108.9000

■ 35.9963, 71.6418,
11.9311

Harmonies

Analogous

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



64.4777, 79.3459, 22.2523



51.9524, 79.3459, 36.2440



46.0779, 79.3459, 69.1139

Triad

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



51.9524, 79.3459, 36.2440



69.1124, 79.3459, 226.3743



113.3566, 79.3459, 57.4359

Complementary

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



51.9524, 79.3459, 36.2440



65.3548, 44.8868, 99.8272

Split Complementary

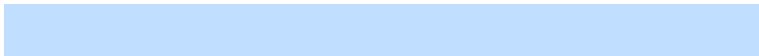
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.1331, 79.3459, 106.3385



51.9524, 79.3459, 36.2440



87.5261, 79.3459, 219.1220

Square

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



51.9524, 79.3459, 36.2440



54.8757, 79.3459, 186.3507



105.0549, 79.3459, 169.3058



100.5318, 79.3459, 30.6533

Rectangle

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



51.9524, 79.3459, 36.2440



45.9682, 79.3459, 103.5195



105.0549, 79.3459, 169.3058



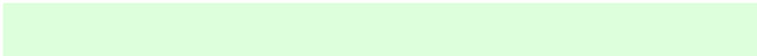
115.3354, 79.3459, 71.2701

Sweetspot

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



51.9528, 79.3460, 36.2452



78.6241, 92.1357, 80.8651



78.4585, 88.4721, 36.6097



16.3454, 19.4893, 16.4883



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

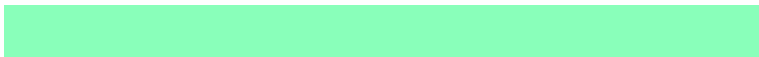
The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.9528, 79.3460, 36.2452



46.7046, 76.8230, 27.7544



54.9579, 80.3910, 59.1688



17.8855, 20.2269, 19.1058



18.8508, 37.4560, 6.2362



1.8734, 3.6665, 0.6090

Inverse Universe

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



65.3548, 44.8868, 99.8272



61.6347, 38.3229, 98.7563



61.3066, 43.6004, 63.4718



18.6640, 18.2340, 22.7858



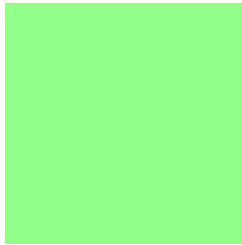
27.8577, 13.2716, 50.5280



2.7475, 1.3103, 4.9214

Previews

White Background



This preview shows how the XYZ color 51.9524, 79.3459, 36.2440 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 51.9524, 79.3459, 36.2440 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 51.9524, 79.3459, 36.2440

Background



This preview shows how black text looks on a background with the XYZ color 51.9524, 79.3459, 36.2440.

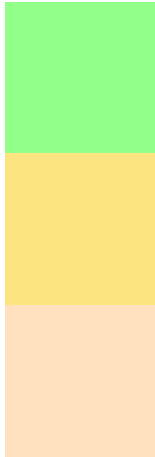


This preview shows how white text looks on a background with the XYZ color 51.9524, 79.3459,

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

51.9524, 79.3459, 36.2440

Protanopia

72.0605, 78.2926, 31.7361

Deuteranopia

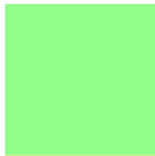
77.2996, 78.3329, 60.3358



Tritanopia

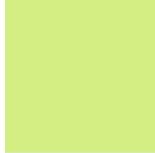
68.2079, 78.8981, 106.2417

Trichromacy



Original Color

51.9524, 79.3459, 36.2440



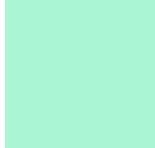
Protanomaly

62.1118, 76.9339, 33.0488



Deuteranomaly

65.0833, 76.8040, 49.9225



Tritanomaly

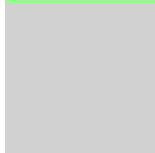
60.8983, 78.4933, 74.2284

Monochromacy



Original Color

51.9524, 79.3459, 36.2440



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

55.9933, 68.2507, 55.0223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9524, 79.3459, 36.2440 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(145, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 137)  
}
```

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(145, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 137) }
```

Border

The CSS property to change the border of an element to XYZ 51.9524, 79.3459, 36.2440 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(145, 255, 137) }
```


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

```
.border{ border-color:rgb(145, 255, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9524, 79.3459, 36.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 137) }
```

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

```
.background{ background-color: rgb(145,  
255, 137) }
```

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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