

Converting Colors

XYZ(55.2315, 80.8252, 24.7469)

Have a look what the booklet for
XYZ(55.2315, 80.8252, 24.7469)
contains.

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Color

**XYZ(55.1976, 80.8024,
24.7438)**

Conversions

Conversions Part 1

Format	Color
Hex	AEFE64
RGB	174, 254, 100
RGB Percent	68%, 100%, 39%
CMY	0.3176, 0.0039, 0.6078
CMYK	0.31, 0.00, 0.61, 0.00
HSL	91°, 99%, 69%
HSV	91°, 61%, 100%
XYZ	55.1976, 80.8024, 24.7438
YIQ	212.5240, 1.7540, -64.8540

Conversions

Conversions Part 2

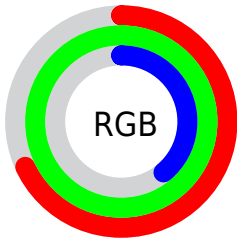
Format	Color
RYB	100, 254, 180
Decimal	11468388
CIELab	92.04, -48.55, 64.23
CIELCh	92, 80.518, 127.084
Yxy	80.8024, 0.3434, 0.5027
Android (android.graphics.Color)	4289658468 (0xFFAEFE64)
YUV	212.5240, -55.4743, -33.7855
Hunter-Lab	89.8902, -47.6988, 46.6025

Details

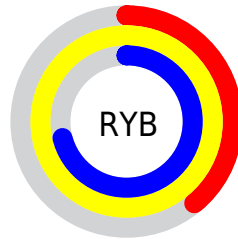
The XYZ color **55.1976, 80.8024, 24.7438** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **41.2727, 25.9759, 96.6091**, and the grayscale version is **63.2876, 66.5835, 72.5094**.

A 20% lighter version of the original color is **75.3650, 91.2439, 45.0922**, and **27.5866, 43.8127, 9.1932** is the 20% darker color. If you saturate the color by 10%, you get **51.3585, 78.9464, 19.1171**, and if you desaturate by 10%, it is **59.7126, 82.9676, 32.4052**.

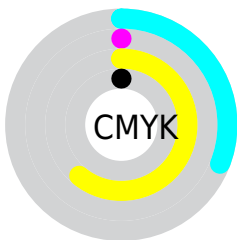
Distribution



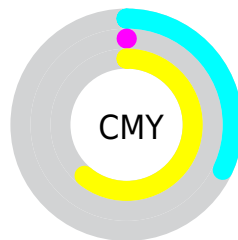
- Red (68%)
- Green (100%)
- Blue (39%)



- Red (39%)
- Yellow (100%)
- Blue (71%)



- Cyan (31%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.1976, 80.8024, 24.7438 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 55.1976, 80.8024, 24.7438 by changing the saturation by 10% instead.


 55.1976, 80.8024,
24.7438

 55.1976, 80.8024,
24.7438


396.7848,
497.6329, 289.9664

 39.7944, 60.3789,
15.6690


 96.9770, 134.4933,
52.2002


 27.5618, 43.7241,
9.1384


 124.0840,
168.5294, 71.4190

 18.1344, 30.4537,
4.7335


 155.8230,
207.8719, 94.8561

 11.1468, 20.1832,
2.0358

 192.5592,
252.9051, 122.9301

 6.2337, 12.5283,
0.5772

234.6582,
304.0134, 156.0596

 3.0297, 7.1045,
0.0000

282.4852,

 1.1695, 3.5276,

361.5812, 194.6631

0.0000

336.4056,
425.9929, 239.1592

0.0821, 1.4130,
0.0000

0.0000, 0.2262,
0.0000

55.1976, 80.8024,
24.7438

55.1976, 80.8024,
24.7438

51.3585, 78.9464,
19.1171

59.7126, 82.9676,
32.4052

48.1441, 77.3700,
15.3247


64.9379, 85.4485,
42.2661


45.5037, 76.0545,
13.1351

70.9118, 88.2640,
54.4806

43.4761, 75.0280,
12.1904

77.6680, 91.4285,
69.1873

 85.2379, 94.9552,
86.5141

 93.6509, 98.8569,
106.5801

94.7335, 99.3671,
108.7945

Harmonies

Analogous

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



71.9919, 80.8024, 16.3846



55.1976, 80.8024, 24.7438



45.6420, 80.8024, 50.6142

Triad

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



55.1976, 80.8024, 24.7438



62.3098, 80.8024, 240.4472



123.5017, 80.8024, 74.6480

Complementary

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



55.1976, 80.8024, 24.7438



41.2727, 25.9759, 96.6091

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.



119.6445, 80.8024, 140.2995



55.1976, 80.8024, 24.7438



81.8181, 80.8024, 256.6991

Square

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



55.1976, 80.8024, 24.7438



49.2032, 80.8024, 176.2574



103.4111, 80.8024, 213.9818



113.1637, 80.8024, 35.5607

Rectangle

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



55.1976, 80.8024, 24.7438



43.4908, 80.8024, 82.3023



103.4111, 80.8024, 213.9818



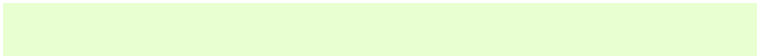
123.8486, 80.8024, 93.9132

Sweetspot

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



55.1995, 80.8059, 24.7456



80.2858, 93.1430, 74.1334



59.4105, 54.4619, 19.4387



16.7286, 19.7236, 14.8428



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.



55.1995, 80.8059, 24.7456



50.9877, 79.2466, 18.2146



43.1263, 74.5674, 24.8394



18.6021, 20.5963, 19.1394



23.0883, 39.6405, 6.4345



2.3733, 3.9243, 0.6324

Inverse Universe

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



41.2727, 25.9759, 96.6091



35.8022, 19.5171, 96.4879



62.9145, 37.1798, 95.4903



17.9034, 17.8419, 22.7502



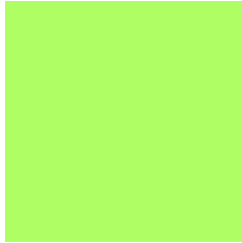
14.6162, 6.4454, 49.9083



1.5493, 0.6926, 4.8653

Previews

White Background



This preview shows how the XYZ color 55.1976, 80.8024, 24.7438 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 55.1976, 80.8024, 24.7438 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

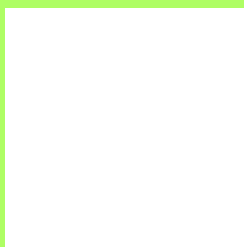
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.1976, 80.8024, 24.7438

Background



This preview shows how black text looks on a background with the XYZ color 55.1976, 80.8024, 24.7438.



This preview shows how white text looks on a background with the XYZ color 55.1976, 80.8024,

24.7438.

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

55.1976, 80.8024, 24.7438

Protanopia

72.9683, 79.6728, 28.0555

Deuteranopia

78.3347, 80.0484, 61.7743



Tritanopia

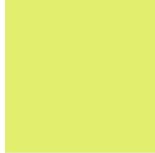
72.4440, 80.6484, 106.3562

Trichromacy



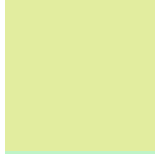
Original Color

55.1976, 80.8024, 24.7438



Protanomaly

65.0450, 79.0275, 26.5775



Deuteranomaly

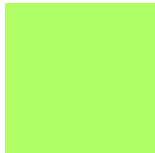
67.9062, 79.2403, 44.5168



Tritanomaly

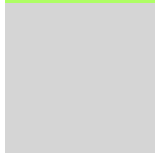
64.1453, 79.9013, 66.0745

Monochromacy



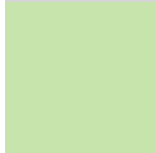
Original Color

55.1976, 80.8024, 24.7438



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

58.7430, 70.6075, 49.5622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1976, 80.8024, 24.7438 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(174, 254, 100)` looks like.

```
.text, #text, p{  
    color:rgb(174, 254, 100)  
}
```

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(174, 254, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 254, 100) }
```

Border

The CSS property to change the border of an element to XYZ 55.1976, 80.8024, 24.7438 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(174, 254, 100) }
```


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

```
.border{ border-color:rgb(174, 254, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 254, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 254, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 254, 100);  
box-shadow:4px 4px 4px 4px rgb(174, 254,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1976, 80.8024, 24.7438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 254, 100) }
```

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

```
.background{ background-color: rgb(174,  
254, 100) }
```

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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