

Converting Colors

XYZ(54.6942, 80.5430, 24.8239)

Have a look what the booklet for
XYZ(54.6942, 80.5430, 24.8239)
contains.

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Color

**XYZ(54.7553, 80.5744,
24.7231)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFE64
RGB	172, 254, 100
RGB Percent	67%, 100%, 39%
CMY	0.3255, 0.0039, 0.6078
CMYK	0.32, 0.00, 0.61, 0.00
HSL	92°, 99%, 69%
HSV	92°, 61%, 100%
XYZ	54.7553, 80.5744, 24.7231
YIQ	211.9260, 0.5620, -65.2780

Conversions

Conversions Part 2

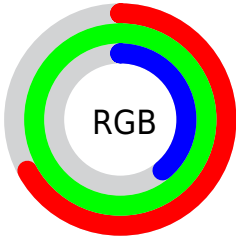
Format	Color
RYB	100, 254, 182
Decimal	11337316
CIELab	91.94, -49.23, 64.09
CIElCh	92, 80.817, 127.528
Yxy	80.5744, 0.3421, 0.5034
Android (android.graphics.Color)	4289527396 (0xFFACFE64)
YUV	211.9260, -55.1795, -35.0151
Hunter-Lab	89.7632, -48.2012, 46.5043

Details

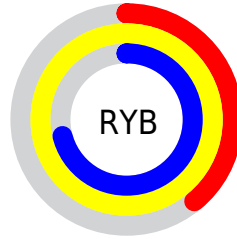
The XYZ color **54.7553, 80.5744, 24.7231** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **41.7417, 26.2177, 96.6310**, and the grayscale version is **62.8871, 66.1621, 72.0505**.

A 20% lighter version of the original color is **74.7157, 90.9092, 45.0618**, and **27.3236, 43.6771, 9.1809** is the 20% darker color. If you saturate the color by 10%, you get **50.8940, 78.7069, 19.0953**, and if you desaturate by 10%, it is **59.3058, 82.7579, 32.3862**.

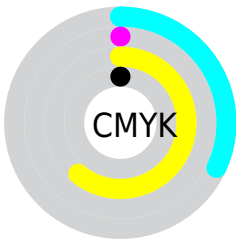
Distribution



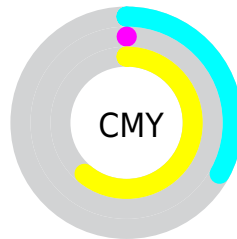
- Red (67%)
- Green (100%)
- Blue (39%)



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



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





- Cyan (33%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.7553, 80.5744, 24.7231 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 54.7553, 80.5744, 24.7231 by changing the saturation by 10% instead.


 54.7553, 80.5744,
24.7231

 54.7553, 80.5744,
24.7231


395.1352,
496.8665, 289.8595

 39.4389, 60.1911,
15.6537


 96.3328, 134.1730,
52.1662


 27.2836, 43.5727,
9.1278


 123.3245,
168.1571, 71.3770

 17.9240, 30.3347,
4.7267


 154.9388,
207.4437, 94.8054

 10.9948, 20.0928,
2.0319

 191.5409,
252.4171, 122.8698

 6.1306, 12.4625,
0.5748

233.4963,
303.4616, 155.9889

 2.9661, 7.0595,
0.0000

281.1702,

 1.1358, 3.4993,

360.9618, 194.5812

0.0000

334.9281,
425.3019, 239.0653

0.0548, 1.3976,
0.0000

0.0000, 0.2150,
0.0000

54.7553, 80.5744,
24.7231

54.7553, 80.5744,
24.7231

50.8940, 78.7069,
19.0953

59.3058, 82.7579,
32.3862

47.6701, 77.1256,
15.3026


64.5805, 85.2643,
42.2494


45.0320, 75.8113,
13.1131

70.6185, 88.1128,
54.4669

43.0166, 74.7912,
12.1689

77.4541, 91.3182,
69.1772

 85.1190, 94.8939,
86.5085

 93.6433, 98.8530,
106.5797

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.



71.4733, 80.5744, 16.2039



54.7553, 80.5744, 24.7231



45.3087, 80.5744, 50.8954

Triad

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



54.7553, 80.5744, 24.7231



62.3198, 80.5744, 241.3951



123.3514, 80.5744, 73.5941

Complementary

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



54.7553, 80.5744, 24.7231



41.7417, 26.2177, 96.6310

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.



119.6968, 80.5744, 139.0709



54.7553, 80.5744, 24.7231



81.9317, 80.5744, 256.8195

Square

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



54.7553, 80.5744, 24.7231



49.0940, 80.5744, 177.3933



103.5562, 80.5744, 213.1712



112.7927, 80.5744, 34.9032

Rectangle

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



54.7553, 80.5744, 24.7231



43.2318, 80.5744, 82.8938



103.5562, 80.5744, 213.1712



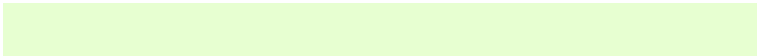
123.7735, 80.5744, 92.7545

Sweetspot

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



54.7572, 80.5779, 24.7249



80.0936, 93.0439, 74.1244



59.4105, 54.4619, 19.4387



16.6818, 19.6995, 14.8407



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.



54.7572, 80.5779, 24.7249



50.5156, 79.0032, 18.1925



43.1263, 74.5674, 24.8394



18.5789, 20.5843, 19.1383



22.8446, 39.5149, 6.4231



2.3490, 3.9117, 0.6312

Inverse Universe

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



41.7417, 26.2177, 96.6310



36.3121, 19.7799, 96.5118



62.9145, 37.1798, 95.4903



17.9267, 17.8539, 22.7513



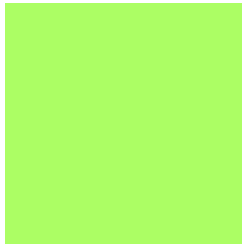
14.8930, 6.5881, 49.9213



1.5763, 0.7065, 4.8666

Previews

White Background



This preview shows how the XYZ color 54.7553, 80.5744, 24.7231 looks on a white background.

Color Contrast Check

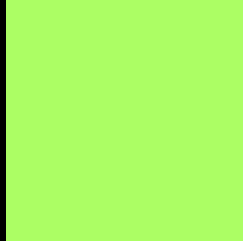
Large Text (above 18pt) WCAG AA × Fail

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 54.7553, 80.5744, 24.7231 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

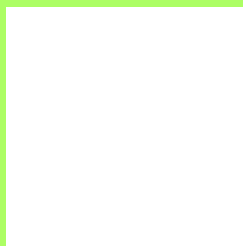
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 54.7553, 80.5744, 24.7231

Background



This preview shows how black text looks on a background with the XYZ color 54.7553, 80.5744, 24.7231.

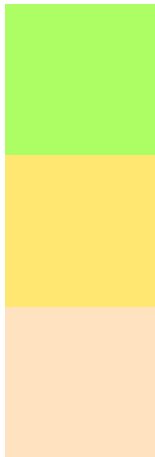


This preview shows how white text looks on a background with the XYZ color 54.7553, 80.5744,

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

54.7553, 80.5744, 24.7231

Protanopia

72.7966, 79.6041, 27.1511

Deuteranopia

77.9508, 79.4585, 61.0977



Tritanopia

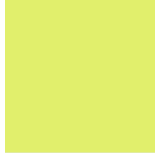
71.6229, 79.7941, 106.2346

Trichromacy



Original Color

54.7553, 80.5744, 24.7231



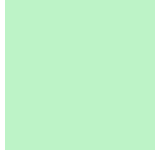
Protanomaly

64.6246, 78.8233, 25.9957



Deuteranomaly

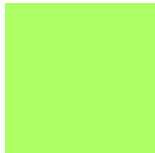
67.3048, 78.5017, 44.4059



Tritanomaly

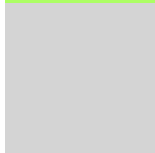
63.3457, 79.0435, 65.9511

Monochromacy



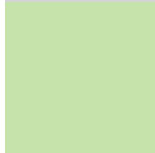
Original Color

54.7553, 80.5744, 24.7231



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

57.8457, 69.7488, 48.9421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.7553, 80.5744, 24.7231 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(172, 254, 100)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 254, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 254, 100) }
```

Border

The CSS property to change the border of an element to XYZ 54.7553, 80.5744, 24.7231 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(172, 254, 100) }
```


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

```
.border{ border-color:rgb(172, 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(172, 254, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 254, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 254, 100);  
box-shadow:4px 4px 4px 4px rgb(172, 254,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 54.7553, 80.5744, 24.7231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 254, 100) }
```

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

```
.background{ background-color: rgb(172,  
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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