

Converting Colors

XYZ(53.2630, 81.6155, 33.3872)

Have a look what the booklet for
XYZ(53.2630, 81.6155, 33.3872)
contains.

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Color

**XYZ(52.2340, 79.5625,
33.0262)**

Conversions

Conversions Part 1

Format	Color
Hex	96FF80
RGB	150, 255, 128
RGB Percent	59%, 100%, 50%
CMY	0.4118, 0.0000, 0.4980
CMYK	0.41, 0.00, 0.50, 0.00
HSL	110°, 100%, 75%
HSV	110°, 50%, 100%
XYZ	52.2340, 79.5625, 33.0262
YIQ	209.1270, -21.8130, -61.7570

Conversions

Conversions Part 2

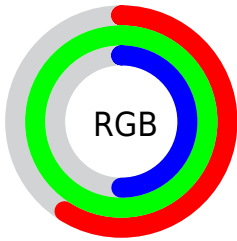
Format	Color
RYB	128, 255, 233
Decimal	9895808
CIELab	91.49, -53.76, 50.95
CIElCh	91, 74.065, 136.539
Yxy	79.5625, 0.3169, 0.4827
Android (android.graphics.Color)	4288085888 (0xFF96FF80)
YUV	209.1270, -39.9956, -51.8544
Hunter-Lab	89.1978, -51.5671, 40.4859

Details

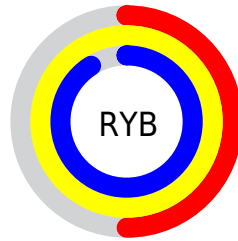
The XYZ color **52.2340, 79.5625, 33.0262** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **59.3748, 39.9834, 99.1959**, and the grayscale version is **60.9503, 64.1244, 69.8315**.

A 20% lighter version of the original color is **70.6017, 88.4942, 58.1597**, and **25.6499, 42.7158, 13.5497** is the 20% darker color. If you saturate the color by 10%, you get **47.2241, 77.1500, 25.1042**, and if you desaturate by 10%, it is **58.3644, 82.5040, 43.2043**.

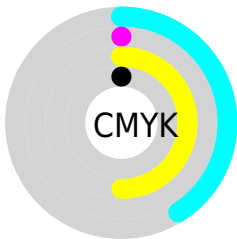
Distribution



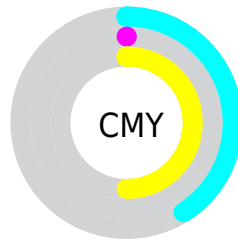
- Red (59%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (91%)



- Cyan (41%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2340, 79.5625, 33.0262 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 52.2340, 79.5625, 33.0262 by changing the saturation by 10% instead.


 52.2340, 79.5625,
33.0262


 52.2340, 79.5625,
33.0262


385.6485,
493.4572, 330.4034


 37.4166, 59.3584,
21.8752


 92.6484, 132.7505,
65.5329

 25.7054, 42.9017,
13.5678


 118.9762,
166.5031, 87.7257

 16.7349, 29.8080,
7.6854


 149.8715,
205.5407, 114.4363

 10.1398, 19.6929,
3.8094

185.6997,
250.2477, 146.0831

 5.5547, 12.1720,
1.5214

226.8262,
301.0085, 183.0846

 2.6143, 6.8609,
0.2338

273.6162,

 0.9533, 3.3753,

358.2074, 225.8595

0.0000

326.4352,
422.2288, 274.8263

0.0000, 1.3307,
0.0000

0.0000, 0.1648,
0.0000

52.2340, 79.5625,
33.0262

52.2340, 79.5625,
33.0262

47.2241, 77.1500,
25.1042

58.3644, 82.5040,
43.2043

43.2639, 75.2337,
19.2632

65.6776, 86.0031,
55.7884

40.2760, 73.7778,
15.3083

74.2328, 90.0874,
70.9201

38.1710, 72.7414,
13.0062

84.0847, 94.7823,
88.7287

■ 36.8268, 72.0696, 95.0500, 100.0000,
11.9843 108.9000

■ 36.8060, 72.0592,
11.9690

Harmonies

Analogous

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



65.7603, 79.5625, 20.3367



52.2340, 79.5625, 33.0262



45.5506, 79.5625, 64.6321

Triad

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



52.2340, 79.5625, 33.0262



67.4900, 79.5625, 231.9892



115.9879, 79.5625, 60.2986

Complementary

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



52.2340, 79.5625, 33.0262



59.3748, 39.9834, 99.1959

Split Complementary

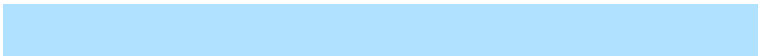
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.6599, 79.5625, 113.1264



52.2340, 79.5625, 33.0262



86.4229, 79.5625, 229.2151

Square

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



52.2340, 79.5625, 33.0262



53.3180, 79.5625, 186.0047



105.1185, 79.5625, 179.5142



103.4117, 79.5625, 30.9947

Rectangle

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



52.2340, 79.5625, 33.0262



45.0105, 79.5625, 99.0054



105.1185, 79.5625, 179.5142



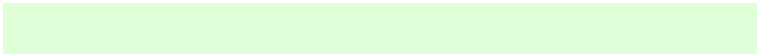
117.6779, 79.5625, 75.3314

Sweetspot

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



52.2344, 79.5627, 33.0274



78.7991, 92.2644, 79.1309



73.9136, 80.3728, 32.0412



16.4293, 19.5401, 16.1494



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

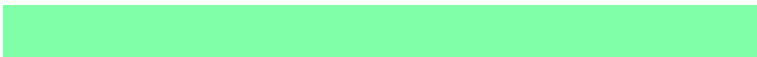
The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.2344, 79.5627, 33.0274



47.1360, 77.1075, 24.9693



51.7510, 78.9448, 49.6632



18.0648, 20.3193, 19.1142



19.3166, 37.6962, 6.2580



1.9579, 3.7101, 0.6129

Inverse Universe

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



59.3748, 39.9834, 99.1959



54.9547, 33.2984, 98.1385



61.1977, 41.5945, 68.9480



18.4658, 18.1319, 22.7765



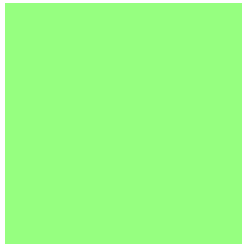
23.5563, 11.0542, 50.3267



2.3712, 1.1163, 4.9038

Previews

White Background



This preview shows how the XYZ color 52.2340, 79.5625, 33.0262 looks on a white background.

Color Contrast Check

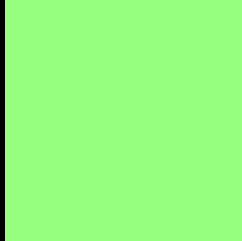
Large Text (above 18pt) WCAG AA × Fail

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 52.2340, 79.5625, 33.0262 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

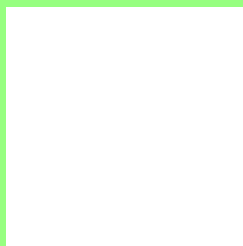
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.2340, 79.5625, 33.0262

Background



This preview shows how black text looks on a background with the XYZ color 52.2340, 79.5625, 33.0262.



This preview shows how white text looks on a background with the XYZ color 52.2340, 79.5625,

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

52.2340, 79.5625, 33.0262

Protanopia

71.8571, 78.2532, 28.7699

Deuteranopia

77.1899, 78.2890, 59.7581



Tritanopia

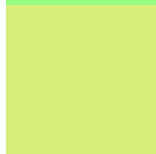
68.9241, 79.2673, 106.2752

Trichromacy



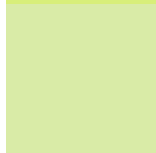
Original Color

52.2340, 79.5625, 33.0262



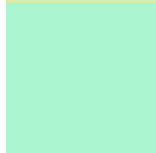
Protanomaly

62.4063, 77.1531, 30.0152



Deuteranomaly

65.2987, 76.9584, 47.9721



Tritanomaly

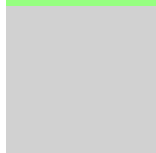
61.1743, 78.6789, 72.2839

Monochromacy



Original Color

52.2340, 79.5625, 33.0262



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

56.1736, 68.3794, 53.4179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2340, 79.5625, 33.0262 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(150, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 128)  
}
```

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(150, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 128) }
```

Border

The CSS property to change the border of an element to XYZ 52.2340, 79.5625, 33.0262 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(150, 255, 128) }
```


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

```
.border{ border-color:rgb(150, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2340, 79.5625, 33.0262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 128) }
```

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

```
.background{ background-color: rgb(150,  
255, 128) }
```

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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