

Converting Colors

XYZ(33.9929, 62.1885, 23.3942)

Have a look what the booklet for
XYZ(33.9929, 62.1885, 23.3942)
contains.

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Color

**XYZ(33.9552, 62.1722,
23.3075)**

Conversions

Conversions Part 1

Format	Color
Hex	2FED68
RGB	47, 237, 104
RGB Percent	18%, 93%, 41%
CMY	0.8157, 0.0706, 0.5921
CMYK	0.80, 0.00, 0.56, 0.07
HSL	138°, 84%, 56%
HSV	138°, 80%, 93%
XYZ	33.9552, 62.1722, 23.3075
YIQ	165.0280, -70.5470, -81.6430

Conversions

Conversions Part 2

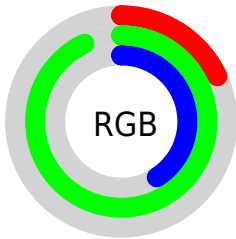
Format	Color
RYB	47, 193, 237
Decimal	3140968
CIELab	83.00, -71.97, 51.06
CIElCh	83, 88.238, 144.645
Yxy	62.1722, 0.2843, 0.5206
Android (android.graphics.Color)	4281331048 (0xFF2FED68)
YUV	165.0280, -30.0868, -103.5106
Hunter-Lab	78.8494, -61.1182, 37.6687

Details

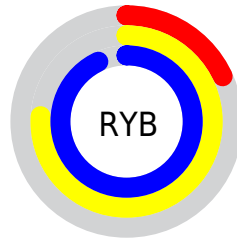
The XYZ color **33.9552, 62.1722, 23.3075** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **44.1817, 23.3340, 45.3574**, and the grayscale version is **35.9432, 37.8151, 41.1806**.

A 20% lighter version of the original color is **50.3890, 78.3486, 44.8148**, and **16.7176, 32.4792, 8.5200** is the 20% darker color. If you saturate the color by 10%, you get **32.3830, 61.4514, 19.2602**, and if you desaturate by 10%, it is **36.2886, 63.2697, 28.2586**.

Distribution



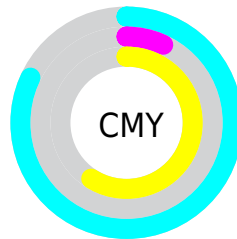
- Red (18%)
- Green (93%)
- Blue (41%)



- Red (18%)
- Yellow (76%)
- Blue (93%)



- Cyan (80%)
- Magenta (0%)
- Yellow (56%)
- Black (7%)





- Cyan (82%)
- Magenta (7%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9552, 62.1722, 23.3075 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 33.9552, 62.1722, 23.3075 by changing the saturation by 10% instead.


 33.9552, 62.1722,
23.3075


 33.9552, 62.1722,
23.3075


311.5217,
432.5589, 282.4734


 23.0219, 45.1719,
14.6133


 65.2087, 107.9744,
49.8273


 14.7305, 31.5928,
8.4048


 86.2597, 137.5450,
68.4900


 8.7155, 21.0507,
4.2636


 111.4140,
172.0745, 91.3127

 4.6117, 13.1610,
1.7710

 141.0368,
211.9472, 118.7137

 2.0537, 7.5395,
0.4088

 175.4937,
257.5477, 151.1118

 0.6639, 3.8018,
0.0000

215.1499,

 0.0000, 1.5633,

309.2602, 188.9254

0.0000

260.3707,
367.4691, 232.5731

■ 0.0000, 0.3327,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.9552, 62.1722,
23.3075

■ 33.9552, 62.1722,
23.3075

■ 32.3830, 61.4514,
19.2602


■ 36.2886, 63.2697,
28.2586


■ 31.4260, 61.0270,
16.1014


■ 39.4716, 64.7833,
34.1603


■ 43.5848, 66.7553,
41.0614


■ 48.6976, 69.2204,
49.0057

 54.8727, 72.2104,
58.0344

 62.1674, 75.7538,
68.1867

 70.6351, 79.8774,
79.4995

 80.3253, 84.6061,
92.0081

 89.3055, 88.9428,
105.6537

Harmonies

Analogous

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



45.0877, 62.1722, 10.0875



33.9552, 62.1722, 23.3075



29.5947, 62.1722, 58.3622

Triad

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



33.9552, 62.1722, 23.3075



55.7373, 62.1722, 235.2387



99.0633, 62.1722, 32.6774

Complementary

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



33.9552, 62.1722, 23.3075



44.1817, 23.3340, 45.3574

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.



103.6175, 62.1722, 77.9731



33.9552, 62.1722, 23.3075



75.7337, 62.1722, 214.9636

Square

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



33.9552, 62.1722, 23.3075



40.3187, 62.1722, 194.4833



94.3135, 62.1722, 148.4225



82.9425, 62.1722, 13.0996

Rectangle

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



33.9552, 62.1722, 23.3075



30.2496, 62.1722, 97.8562



94.3135, 62.1722, 148.4225



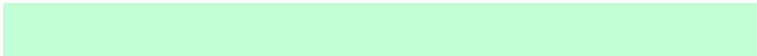
102.1257, 62.1722, 44.4711

Sweetspot

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



33.9567, 62.1747, 23.3089



69.8607, 87.7244, 75.6437



49.6219, 70.4798, 13.6783



14.3012, 18.4600, 15.2805



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.



33.9567, 62.1747, 23.3089



37.4738, 72.2203, 20.2786



41.7671, 65.2989, 64.4379



15.0543, 16.9365, 16.9688



17.2073, 33.3374, 9.0568



1.3923, 2.6342, 0.9278

Inverse Universe

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



44.1817, 23.3340, 45.3574



49.7488, 24.8407, 46.1906



37.5829, 20.6945, 10.6087



15.5111, 15.2323, 17.9769



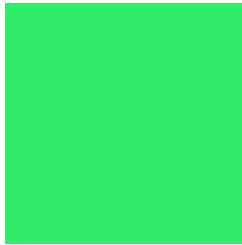
22.8813, 11.3552, 20.9740



1.8389, 0.9085, 1.8689

Previews

White Background



This preview shows how the XYZ color 33.9552, 62.1722, 23.3075 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 33.9552, 62.1722, 23.3075 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

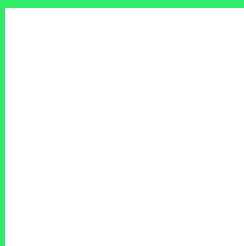
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9552, 62.1722, 23.3075

Background



This preview shows how black text looks on a background with the XYZ color 33.9552, 62.1722, 23.3075.

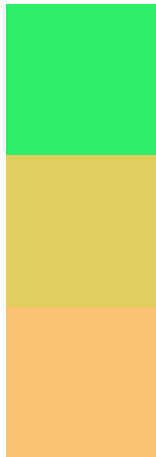


This preview shows how white text looks on a background with the XYZ color 33.9552, 62.1722,

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

33.9552, 62.1722, 23.3075

Protanopia

55.5303, 60.8017, 19.3988

Deuteranopia

62.0340, 60.5920, 24.6455



Tritanopia

47.7444, 61.9510, 92.6604

Trichromacy



Original Color

33.9552, 62.1722, 23.3075



Protanomaly

41.9178, 58.1889, 20.5776



Deuteranomaly

43.8203, 56.4710, 23.6293



Tritanomaly

40.6270, 61.0422, 58.9313

Monochromacy



Original Color

33.9552, 62.1722, 23.3075



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.6148, 43.3823, 32.6940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9552, 62.1722, 23.3075 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(47, 237, 104)` looks like.

```
.text, #text, p{  
    color:rgb(47, 237, 104)  
}
```

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(47, 237, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 237, 104) }
```

Border

The CSS property to change the border of an element to XYZ 33.9552, 62.1722, 23.3075 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(47, 237, 104) }
```


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

```
.border{ border-color:rgb(47, 237, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 237, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 237, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 237, 104);  
box-shadow:4px 4px 4px 4px rgb(47, 237,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9552, 62.1722, 23.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 237, 104) }
```

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

```
.background{ background-color: rgb(47, 237,  
104) }
```

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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