

Converting Colors

XYZ(33.8071, 62.1167, 22.4940)

Have a look what the booklet for
XYZ(33.8071, 62.1167, 22.4940)
contains.

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Color

**XYZ(33.8054, 62.1123,
22.5191)**

Conversions

Conversions Part 1

Format	Color
Hex	2FED65
RGB	47, 237, 101
RGB Percent	18%, 93%, 40%
CMY	0.8157, 0.0706, 0.6039
CMYK	0.80, 0.00, 0.57, 0.07
HSL	137°, 84%, 56%
HSV	137°, 80%, 93%
XYZ	33.8054, 62.1123, 22.5191
YIQ	164.6860, -69.5840, -82.5760

Conversions

Conversions Part 2

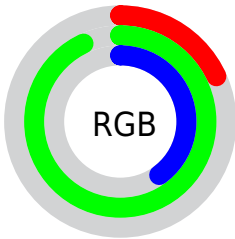
Format	Color
RYB	47, 195, 237
Decimal	3140965
CIELab	82.97, -72.35, 52.37
CIELCh	83, 89.314, 144.103
Yxy	62.1123, 0.2854, 0.5244
Android (android.graphics.Color)	4281331045 (0xFF2FED65)
YUV	164.6860, -31.3972, -103.2106
Hunter-Lab	78.8114, -61.3540, 38.2268

Details

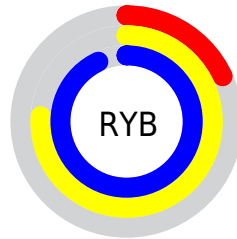
The XYZ color **33.8054, 62.1123, 22.5191** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **44.4904, 23.4573, 46.9833**, and the grayscale version is **35.7845, 37.6480, 40.9987**.

A 20% lighter version of the original color is **50.1338, 78.2465, 43.4711**, and **16.6332, 32.4454, 8.0753** is the 20% darker color. If you saturate the color by 10%, you get **32.2475, 61.3973, 18.5469**, and if you desaturate by 10%, it is **36.1302, 63.2064, 27.4255**.

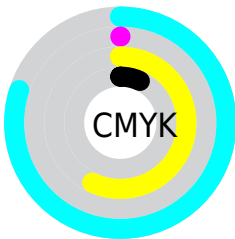
Distribution



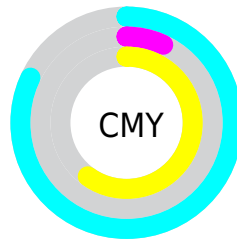
- Red (18%)
- Green (93%)
- Blue (40%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (57%)
- Black (7%)



- Cyan (82%)
- Magenta (7%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8054, 62.1123, 22.5191 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 33.8054, 62.1123, 22.5191 by changing the saturation by 10% instead.

33.8054, 62.1123,
22.5191

33.8054, 62.1123,
22.5191

310.8647,
432.3406, 278.2867

22.9063, 45.1234,
14.0369

64.9772, 107.8878,
48.5156

14.6447, 31.5547,
8.0073

85.9807, 137.4433,
66.8670

8.6551, 21.0216,
4.0118

111.0830,
171.9564, 89.3451

4.5722, 13.1398,
1.6318

140.6495,
211.8115, 116.3686

2.0307, 7.5249,
0.3134

175.0456,
257.3932, 148.3560

0.6511, 3.7925,
0.0000

214.6366,

0.0000, 1.5582,

309.0856, 185.7258

0.0000

259.7878,
367.2733, 228.8965

■ 0.0000, 0.3291,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.8054, 62.1123,
22.5191

■ 33.8054, 62.1123,
22.5191

■ 32.2475, 61.3973,
18.5469

■ 36.1302, 63.2064,
27.4255


■ 31.3094, 60.9804,
15.4875


■ 39.3113, 64.7192,
33.3169


■ 43.4296, 66.6932,
40.2456


■ 48.5553, 69.1635,
48.2585

 54.7517, 72.1620,
57.4000

 62.0767, 75.7175,
67.7117

 70.5838, 79.8569,
79.2331

 80.3234, 84.6053,
92.0020

 89.3640, 88.9662,
105.9617

Harmonies

Analogous

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



45.1515, 62.1123, 9.6324



33.8054, 62.1123, 22.5191



29.3008, 62.1123, 57.2951

Triad

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



33.8054, 62.1123, 22.5191



55.3075, 62.1123, 237.7966



99.7625, 62.1123, 32.8727

Complementary

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



33.8054, 62.1123, 22.5191



44.4904, 23.4573, 46.9833

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.



104.1327, 62.1123, 79.1380



33.8054, 62.1123, 22.5191



75.5094, 62.1123, 218.2498

Square

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



33.8054, 62.1123, 22.5191



39.8547, 62.1123, 195.2792



94.4544, 62.1123, 150.9563



83.5546, 62.1123, 12.9251

Rectangle

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



33.8054, 62.1123, 22.5191



29.8821, 62.1123, 96.9443



94.4544, 62.1123, 150.9563



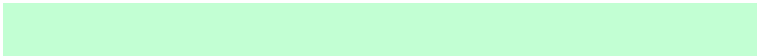
102.7936, 62.1123, 44.9147

Sweetspot

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



33.8069, 62.1148, 22.5205



69.7391, 87.6758, 75.0033



50.3674, 70.8642, 13.7130



14.2724, 18.4486, 15.1294



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.



33.8069, 62.1148, 22.5205



37.3274, 72.1617, 19.5076



41.4030, 65.1533, 62.5209



15.0443, 16.9326, 16.9163



17.1417, 33.3112, 8.7114



1.3861, 2.6318, 0.8951

Inverse Universe

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



44.4904, 23.4573, 46.9833



50.1524, 25.0021, 48.3158



37.7115, 20.7457, 11.2859



15.5217, 15.2365, 18.0323



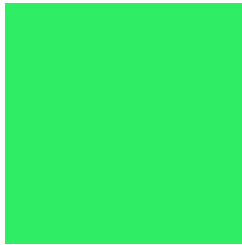
23.0697, 11.4306, 21.9661



1.8525, 0.9140, 1.9405

Previews

White Background



This preview shows how the XYZ color 33.8054, 62.1123, 22.5191 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 33.8054, 62.1123, 22.5191 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

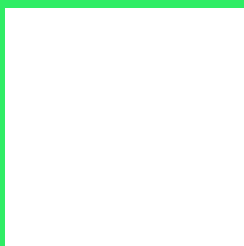
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8054, 62.1123, 22.5191

Background



This preview shows how black text looks on a background with the XYZ color 33.8054, 62.1123, 22.5191.

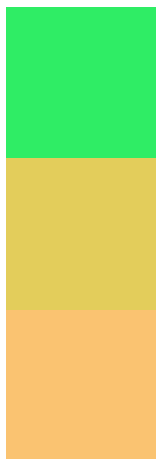


This preview shows how white text looks on a background with the XYZ color 33.8054, 62.1123,

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

33.8054, 62.1123, 22.5191

Protanopia

55.3982, 60.7489, 18.7034

Deuteranopia

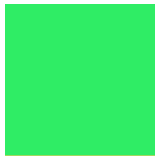
61.9201, 60.5465, 24.0459



Tritanopia

47.7444, 61.9510, 92.6604

Trichromacy



Original Color

33.8054, 62.1123, 22.5191



Protanomaly

41.7787, 58.1333, 19.8454



Deuteranomaly

43.7114, 56.4274, 23.0557



Tritanomaly

40.5173, 60.9983, 58.3536

Monochromacy



Original Color

33.8054, 62.1123, 22.5191



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.5393, 43.3522, 32.2967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8054, 62.1123, 22.5191 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(47, 237, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 237, 101) }
```

Border

The CSS property to change the border of an element to XYZ 33.8054, 62.1123, 22.5191 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, 101) }
```


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

```
.border{ border-color:rgb(47, 237, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 237, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 237, 101);  
box-shadow:4px 4px 4px 4px rgb(47, 237,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8054, 62.1123, 22.5191 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, 101) }
```

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

```
.background{ background-color: rgb(47, 237,  
101) }
```

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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