

Converting Colors

XYZ(21.7822, 39.7143, 10.5390)

Have a look what the booklet for
XYZ(21.7822, 39.7143, 10.5390)
contains.

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Color

**XYZ(21.8004, 39.7886,
10.5340)**

Conversions

Conversions Part 1

Format	Color
Hex	3AC23A
RGB	58, 194, 58
RGB Percent	23%, 76%, 23%
CMY	0.7726, 0.2392, 0.7725
CMYK	0.70, 0.00, 0.70, 0.24
HSL	120°, 54%, 49%
HSV	120°, 70%, 76%
XYZ	21.8004, 39.7886, 10.5340
YIQ	137.8320, -37.4000, -71.1280

Conversions

Conversions Part 2

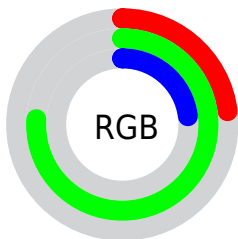
Format	Color
RYB	58, 194, 194
Decimal	3850810
CIELab	69.32, -61.69, 55.29
CIElCh	69, 82.839, 138.132
Yxy	39.7886, 0.3023, 0.5517
Android (android.graphics.Color)	4282040890 (0xFF3AC23A)
YUV	137.8320, -39.3572, -70.0127
Hunter-Lab	63.0782, -48.6956, 34.2534

Details

The XYZ color **21.8004, 39.7886, 10.5340** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **33.4995, 18.3909, 52.8221**, and the grayscale version is **24.2498, 25.5126, 27.7833**.

A 20% lighter version of the original color is **46.0472, 75.0757, 27.3934**, and **9.2326, 18.4652, 3.0775** is the 20% darker color. If you saturate the color by 10%, you get **20.4739, 39.1526, 8.3635**, and if you desaturate by 10%, it is **23.7394, 40.7212, 13.7051**.

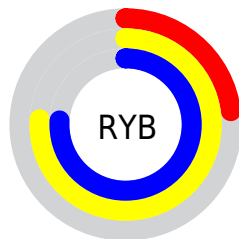
Distribution



Red (23%)

Green (76%)

Blue (23%)



Red (23%)

Yellow (76%)

Blue (76%)

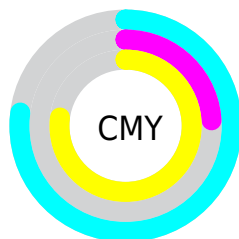


Cyan (70%)

Magenta (0%)

Yellow (70%)

Black (24%)



Cyan (77%)

Magenta (24%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8004, 39.7886, 10.5340 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 21.8004, 39.7886, 10.5340 by changing the saturation by 10% instead.

■ 21.8004, 39.7886,
10.5340

■ 21.8004, 39.7886,
10.5340

254.1541,
345.2317, 205.0633

■ 13.8261, 27.3738,
5.6442

■ 45.8972, 74.8415,
27.4185

■ 8.0807, 17.8541,
2.5647

■ 62.7504, 98.2483,
40.2504

■ 4.1989, 10.8453,
0.8742

■ 83.2939, 126.0880,
56.5666

■ 1.8152, 5.9629,
0.0000

■ 107.8932,
158.7448, 76.7859

■ 0.5268, 2.8225,
0.0000

■ 136.9134,
196.6032, 101.3266

■ 0.0000, 1.0398,
0.0000

170.7201,

■ 0.0000, 0.0000,

240.0475, 130.6074

0.0000

209.6786,
289.4623, 165.0468

■ 21.8004, 39.7886,
10.5340

■ 21.8004, 39.7886,
10.5340

■ 20.4739, 39.1526,
8.3635

■ 23.7394, 40.7212,
13.7051

■ 19.6844, 38.7734,
7.0719

■ 26.3497, 41.9750,
17.9747

■ 19.2926, 38.5852,
6.4311

■ 29.6860, 43.5777,
23.4319

■ 33.7971, 45.5524,
30.1562

■ 38.7271, 47.9206,
38.2201

■ 44.5171, 50.7018,
47.6906

■ 51.2054, 53.9145,
58.6303

■ 58.8278, 57.5760,
71.0979

■ 67.4184, 61.7025,
85.1490

Harmonies

Analogous

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



30.4089, 39.7886, 4.3510



21.8004, 39.7886, 10.5340



17.9161, 39.7886, 29.9472

Triad

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



21.8004, 39.7886, 10.5340



32.8020, 39.7886, 161.6746



67.6750, 39.7886, 24.3037

Complementary

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



21.8004, 39.7886, 10.5340



33.4995, 18.3909, 52.8221

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.



68.7461, 39.7886, 60.1851



21.8004, 39.7886, 10.5340



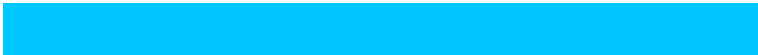
46.3419, 39.7886, 156.7446

Square

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



21.8004, 39.7886, 10.5340



23.1972, 39.7886, 123.8801



60.2202, 39.7886, 112.8310



57.5671, 39.7886, 8.4806

Rectangle

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



21.8004, 39.7886, 10.5340



17.7409, 39.7886, 54.5235



60.2202, 39.7886, 112.8310



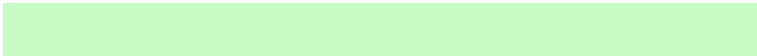
69.1778, 39.7886, 33.7722

Sweetspot

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



21.8013, 39.7903, 10.5349



68.9805, 86.2494, 67.3117



42.3054, 50.3605, 11.4938



14.5328, 18.6124, 13.8029



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.



21.8013, 39.7903, 10.5349



36.2321, 70.5187, 13.7452



24.8035, 40.9911, 26.3440



9.9445, 11.2588, 10.7110



12.6838, 25.3676, 4.2281



0.5480, 1.0961, 0.1827

Inverse Universe

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



33.4995, 18.3909, 52.8221



58.7209, 29.3800, 95.0388



27.5281, 16.0023, 21.3771



10.4973, 10.2475, 12.7094



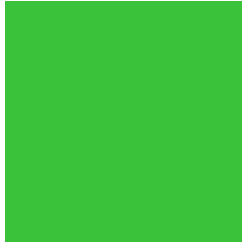
21.0291, 10.1014, 34.3951



0.9086, 0.4365, 1.4861

Previews

White Background



This preview shows how the XYZ color 21.8004, 39.7886, 10.5340 looks on a white background.

Color Contrast Check

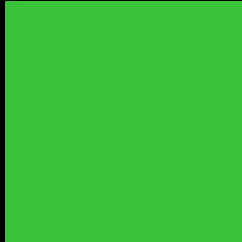
Large Text (above 18pt) WCAG AA × Fail

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 21.8004, 39.7886, 10.5340 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 21.8004, 39.7886, 10.5340

Background



This preview shows how black text looks on a background with the XYZ color 21.8004, 39.7886, 10.5340.



This preview shows how white text looks on a background with the XYZ color 21.8004, 39.7886,

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

21.8004, 39.7886, 10.5340

Protanopia

35.3392, 38.9356, 8.7847

Deuteranopia

39.6887, 38.9937, 11.2291



Tritanopia

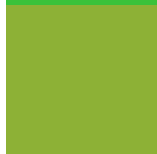
31.2070, 39.4662, 58.1975

Trichromacy



Original Color

21.8004, 39.7886, 10.5340



Protanomaly

27.3725, 37.3733, 9.2611



Deuteranomaly

28.8728, 36.6707, 10.7107



Tritanomaly

26.2269, 38.9870, 33.3371

Monochromacy



Original Color

21.8004, 39.7886, 10.5340



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.2939, 28.8091, 18.9064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8004, 39.7886, 10.5340 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(58, 194, 58)` looks like.

```
.text, #text, p{  
    color:rgb(58, 194, 58)  
}
```

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(58, 194, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 194, 58) }
```

Border

The CSS property to change the border of an element to XYZ 21.8004, 39.7886, 10.5340 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(58, 194, 58) }
```


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

```
.border{ border-color:rgb(58, 194, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 194, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 194, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 194, 58);  
box-shadow:4px 4px 4px 4px rgb(58, 194,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8004, 39.7886, 10.5340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 194, 58) }
```

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

```
.background{ background-color: rgb(58, 194,  
58) }
```

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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