

Converting Colors

XYZ(19.6319, 37.8587, 6.2728)

Have a look what the booklet for
XYZ(19.6319, 37.8587, 6.2728)
contains.

XYZ(19.5856, 37.7538, 6.2550)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.5856, 37.7538,
6.2550)**

Conversions

Conversions Part 1

Format	Color
Hex	2ABF00
RGB	42, 191, 0
RGB Percent	16%, 75%, 0%
CMY	0.8353, 0.2510, 0.9999
CMYK	0.78, 0.00, 1.00, 0.25
HSL	107°, 100%, 37%
HSV	107°, 100%, 75%
XYZ	19.5856, 37.7538, 6.2550
YIQ	124.6750, -27.4930, -90.9890

Conversions

Conversions Part 2

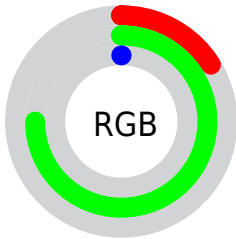
Format	Color
RYB	0, 191, 149
Decimal	2801408
CIELab	67.84, -66.05, 67.38
CIELCh	68, 94.351, 134.428
Yxy	37.7538, 0.3080, 0.5937
Android (android.graphics.Color)	4280991488 (0xFF2ABF00)
YUV	124.6750, -61.4648, -72.5060
Hunter-Lab	61.4441, -50.6295, 36.9752

Details

The XYZ color **19.5856, 37.7538, 6.2550** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **21.8040, 10.1543, 50.1030**, and the grayscale version is **19.5919, 20.6122, 22.4466**.

A 20% lighter version of the original color is **42.3572, 71.9607, 19.0545**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **19.5856, 37.7550, 6.2552**, and if you desaturate by 10%, it is **20.4319, 38.1775, 6.9137**.

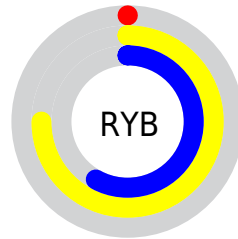
Distribution



Red (16%)

Green (75%)

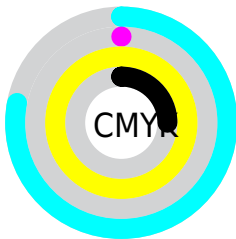
Blue (0%)



Red (0%)

Yellow (75%)

Blue (58%)

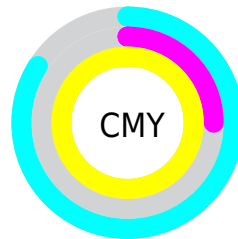


Cyan (78%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (84%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5856, 37.7538, 6.2550 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 19.5856, 37.7538, 6.2550 by changing the saturation by 10% instead.


 19.5856, 37.7538,
6.2550

 19.5856, 37.7538,
6.2550


242.5394,
336.5627, 170.7102


 12.2007, 25.7917,
2.9295


 42.2306, 71.7306,
18.9446


 6.9537, 16.6678,
1.0587


 58.2214, 94.5141,
29.1458


 3.4792, 9.9980,
0.0000


 77.8115, 121.6735,
42.4760

 1.4120, 5.3976,
0.0000

 101.3662,
153.5931, 59.3537

 0.2647, 2.4824,
0.0000

 129.2511,
190.6575, 80.1974

 0.0000, 0.8678,
0.0000

 161.8313,

 0.0000, 0.0000,

233.2509, 105.4257

0.0000

199.4723,
281.7579, 135.4571

■ 19.5856, 37.7538,
6.2550

■ 19.5856, 37.7538,
6.2550

■ 19.5856, 37.7550,
6.2552

■ 20.4319, 38.1775,
6.9137

■ 21.6429, 38.7747,
8.1962

■ 23.2812, 39.5738,
10.3248

■ 25.3860, 40.5927,
13.4122

■ 27.9914, 41.8469,
17.5538

■ 31.1285, 43.3506,
22.8334

■ 34.8255, 45.1165,
29.3266

■ 39.1085, 47.1568,
37.1023

■ 44.0021, 49.4828,
46.2242

Harmonies

Analogous

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



29.3263, 37.7538, 2.0463



19.5856, 37.7538, 6.2550



15.0474, 37.7538, 23.0639

Triad

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



19.5856, 37.7538, 6.2550



28.8552, 37.7538, 177.6224



70.5671, 37.7538, 24.1358

Complementary

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



19.5856, 37.7538, 6.2550



21.8040, 10.1543, 50.1030

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.



70.3394, 37.7538, 66.7237



19.5856, 37.7538, 6.2550



43.3526, 37.7538, 178.7279

Square

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



19.5856, 37.7538, 6.2550



19.3218, 37.7538, 127.1234



59.3740, 37.7538, 129.5502



59.9307, 37.7538, 6.5844

Rectangle

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



19.5856, 37.7538, 6.2550



14.5227, 37.7538, 47.6410



59.3740, 37.7538, 129.5502



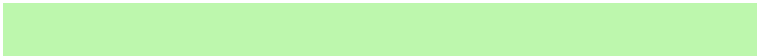
71.8343, 37.7538, 35.2004

Sweetspot

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



19.5865, 37.7554, 6.2558



62.0240, 80.6356, 51.9040



31.8339, 31.7709, 4.4552



12.9764, 17.3997, 10.2578



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



19.5865, 37.7554, 6.2558



34.9089, 67.5302, 11.1948



19.2283, 37.5018, 9.3514



9.5996, 10.7480, 10.1453



12.9286, 24.8408, 4.1133



0.5638, 1.0026, 0.1638

Inverse Universe

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



21.8040, 10.1543, 50.1030



38.8308, 18.0724, 89.7208



26.2261, 12.9730, 25.9618



9.7192, 9.5876, 12.0105



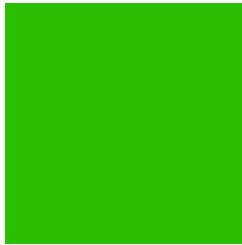
14.3988, 6.7089, 32.9290



0.6158, 0.2895, 1.2923

Previews

White Background



This preview shows how the XYZ color 19.5856, 37.7538, 6.2550 looks on a white background.

Color Contrast Check

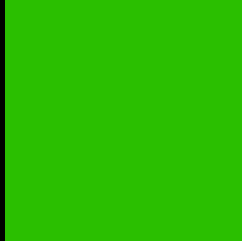
Large Text (above 18pt) WCAG AA × Fail

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 19.5856, 37.7538, 6.2550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

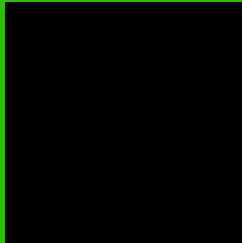
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.5856, 37.7538, 6.2550

Background



This preview shows how black text looks on a background with the XYZ color 19.5856, 37.7538, 6.2550.



This preview shows how white text looks on a background with the XYZ color 19.5856, 37.7538,

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

19.5856, 37.7538, 6.2550

Protanopia

33.2830, 36.8652, 5.3615

Deuteranopia

37.7423, 37.0588, 7.2617



Tritanopia

29.4593, 37.7213, 55.5974

Trichromacy



Original Color

19.5856, 37.7538, 6.2550



Protanomaly

24.8089, 35.2586, 5.4980



Deuteranomaly

26.2285, 34.5615, 6.2659



Tritanomaly

23.0449, 36.6117, 24.2645

Monochromacy



Original Color

19.5856, 37.7538, 6.2550



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

16.9147, 24.5070, 11.4282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5856, 37.7538, 6.2550 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(42, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(42, 191, 0)  
}
```

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(42, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.5856, 37.7538, 6.2550 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(42, 191, 0) }
```


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

```
.border{ border-color:rgb(42, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(42, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(42, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.5856, 37.7538, 6.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 191, 0) }
```

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

```
.background{ background-color: rgb(42, 191,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor