

Converting Colors

XYZ(20.0661, 38.0825, 6.2931)

Have a look what the booklet for
XYZ(20.0661, 38.0825, 6.2931)
contains.

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Color

**XYZ(19.9960, 37.9654,
6.2742)**

Conversions

Conversions Part 1

Format	Color
Hex	33BF00
RGB	51, 191, 0
RGB Percent	20%, 75%, 0%
CMY	0.8000, 0.2510, 0.9999
CMYK	0.73, 0.00, 1.00, 0.25
HSL	104°, 100%, 37%
HSV	104°, 100%, 75%
XYZ	19.9960, 37.9654, 6.2742
YIQ	127.3660, -22.1290, -89.0810

Conversions

Conversions Part 2

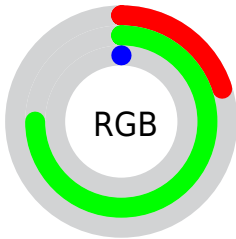
Format	Color
RYB	0, 191, 140
Decimal	3391232
CIELab	68.00, -64.67, 67.57
CIELCh	68, 93.532, 133.745
Yxy	37.9654, 0.3113, 0.5910
Android (android.graphics.Color)	4281581312 (0xFF33BF00)
YUV	127.3660, -62.7914, -66.9730
Hunter-Lab	61.6161, -49.9003, 37.0939

Details

The XYZ color **19.9960, 37.9654, 6.2742** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **20.2244, 9.3400, 50.0292**, and the grayscale version is **20.5155, 21.5839, 23.5049**.

A 20% lighter version of the original color is **43.0327, 72.3089, 19.0861**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **19.9959, 37.9665, 6.2744**, and if you desaturate by 10%, it is **20.9302, 38.4345, 6.9370**.

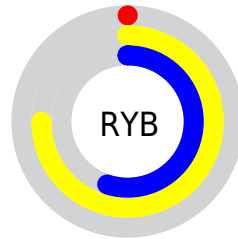
Distribution



Red (20%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (55%)

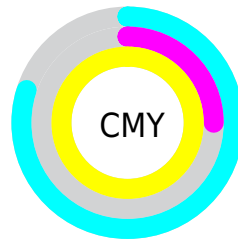


Cyan (73%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (80%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.9960, 37.9654, 6.2742 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 19.9960, 37.9654, 6.2742 by changing the saturation by 10% instead.


 19.9960, 37.9654,
6.2742


 19.9960, 37.9654,
6.2742


244.7274,
337.4715, 170.8841


 12.5004, 25.9558,
2.9410


 42.9145, 72.0551,
18.9848


 7.1600, 16.7906,
1.0646


 59.0680, 94.9040,
29.1994


 3.6096, 10.0853,
0.0000


 78.8383, 122.1349,
42.5448

 1.4837, 5.4556,
0.0000

 102.5906,
154.1320, 59.4397

 0.3147, 2.5170,
0.0000

 130.6903,
191.2799, 80.3025

 0.0000, 0.8851,
0.0000

 163.5028,

 0.0000, 0.0000,

233.9628, 105.5518

0.0000

201.3934,
282.5652, 135.6062

■ 19.9960, 37.9654,
6.2742

■ 19.9960, 37.9654,
6.2742

■ 19.9959, 37.9665,
6.2744

■ 20.9302, 38.4345,
6.9370

■ 22.2097, 39.0669,
8.2227

■ 23.8929, 39.8892,
10.3534

■ 26.0151, 40.9171,
13.4416

■ 28.6075, 42.1646,
17.5825

■ 31.6980, 43.6442,
22.8600

■ 35.3123, 45.3675,
29.3493

■ 39.4743, 47.3455,
37.1192

■ 44.2063, 49.5880,
46.2336

Harmonies

Analogous

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



29.8396, 37.9654, 2.1391



19.9960, 37.9654, 6.2742



15.3446, 37.9654, 22.7272

Triad

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



19.9960, 37.9654, 6.2742



28.8092, 37.9654, 175.7603



70.6380, 37.9654, 25.0783

Complementary

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



19.9960, 37.9654, 6.2742



20.2244, 9.3400, 50.0292

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.



70.1430, 37.9654, 68.0546



19.9960, 37.9654, 6.2742



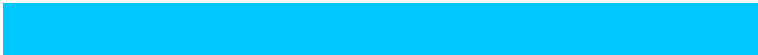
43.1461, 37.9654, 178.1543

Square

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



19.9960, 37.9654, 6.2742



19.4173, 37.9654, 125.1326



59.0825, 37.9654, 130.3961



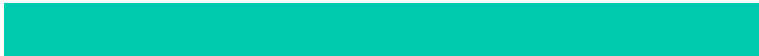
60.2940, 37.9654, 7.0069

Rectangle

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



19.9960, 37.9654, 6.2742



14.7539, 37.9654, 46.7932



59.0825, 37.9654, 130.3961



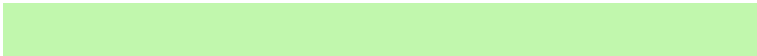
71.8042, 37.9654, 36.3240

Sweetspot

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



19.9969, 37.9670, 6.2750



62.9048, 81.0897, 51.9452



30.4172, 28.9375, 3.9830



13.1852, 17.5073, 10.2675



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.



19.9969, 37.9670, 6.2750



35.6162, 67.8948, 11.2279



19.0391, 37.4262, 8.3552



9.6413, 10.7695, 10.1472



13.2070, 24.9843, 4.1264



0.5818, 1.0119, 0.1647

Inverse Universe

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



20.2244, 9.3400, 50.0292



35.9755, 16.6004, 89.5872



26.9618, 13.2672, 29.8356



9.6748, 9.5647, 12.0085



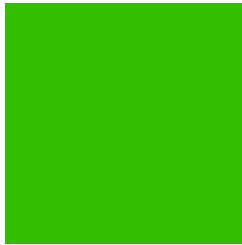
13.3693, 6.1782, 32.8808



0.5826, 0.2724, 1.2907

Previews

White Background



This preview shows how the XYZ color 19.9960, 37.9654, 6.2742 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 19.9960, 37.9654, 6.2742 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 19.9960, 37.9654, 6.2742

Background



This preview shows how black text looks on a background with the XYZ color 19.9960, 37.9654, 6.2742.



This preview shows how white text looks on a background with the XYZ color 19.9960, 37.9654,

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

19.9960, 37.9654, 6.2742

Protanopia

33.4627, 37.2246, 5.4214

Deuteranopia

38.0208, 37.2024, 7.2747



Tritanopia

29.9490, 37.9737, 55.6204

Trichromacy



Original Color

19.9960, 37.9654, 6.2742



Protanomaly

25.2894, 35.5063, 5.5205



Deuteranomaly

26.9521, 34.9345, 6.2998



Tritanomaly

23.5882, 36.8918, 24.2900

Monochromacy



Original Color

19.9960, 37.9654, 6.2742



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.5371, 25.0594, 11.6972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9960, 37.9654, 6.2742 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(51, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.9960, 37.9654, 6.2742 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(51, 191, 0) }
```


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

```
.border{ border-color:rgb(51, 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(51, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(51, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.9960, 37.9654, 6.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 191, 0) }
```

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

```
.background{ background-color: rgb(51, 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](#).

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