

Converting Colors

XYZ(20.1669, 40.2422, 6.7046)

Have a look what the booklet for
XYZ(20.1669, 40.2422, 6.7046)
contains.

XYZ(20.2567, 40.4204, 6.7343)	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(20.2567, 40.4204,
6.7343)**

Conversions

Conversions Part 1

Format	Color
Hex	05C600
RGB	5, 198, 0
RGB Percent	2%, 78%, 0%
CMY	0.9804, 0.2235, 0.9999
CMYK	0.97, 0.00, 1.00, 0.22
HSL	118°, 100%, 39%
HSV	118°, 100%, 78%
XYZ	20.2567, 40.4204, 6.7343
YIQ	117.7210, -51.4700, -102.4940

Conversions

Conversions Part 2

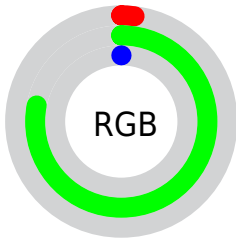
Format	Color
RYB	0, 198, 193
Decimal	378368
CIELab	69.77, -71.03, 68.78
CIELCh	70, 98.873, 135.920
Yxy	40.4204, 0.3005, 0.5996
Android (android.graphics.Color)	4278568448 (0xFF05C600)
YUV	117.7210, -58.0365, -98.8563
Hunter-Lab	63.5770, -54.3868, 38.2237

Details

The XYZ color **20.2567, 40.4204, 6.7343** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **32.1915, 15.4182, 54.7075**, and the grayscale version is **17.3218, 18.2239, 19.8459**.

A 20% lighter version of the original color is **43.0337, 75.1024, 19.8175**, and **9.6730, 19.3460, 3.2243** is the 20% darker color. If you saturate the color by 10%, you get **20.2572, 40.4219, 6.7345**, and if you desaturate by 10%, it is **20.7036, 40.6376, 7.4062**.

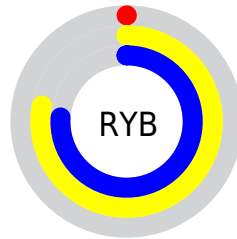
Distribution



Red (2%)

Green (78%)

Blue (0%)



Red (0%)

Yellow (78%)

Blue (76%)

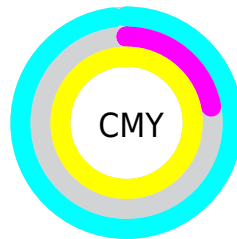


Cyan (97%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (98%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2567, 40.4204, 6.7343 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 20.2567, 40.4204, 6.7343 by changing the saturation by 10% instead.


 20.2567, 40.4204,
6.7343


 20.2567, 40.4204,
6.7343


246.1086,
347.8923, 174.9836


 12.6911, 27.8665,
3.2206


 43.3478, 75.8033,
19.9403


 7.2917, 18.2250,
1.2083


 59.6041, 99.4010,
30.4698


 3.6932, 11.1117,
0.0000


 79.4879, 127.4488,
44.1748

 1.5300, 6.1420,
0.0000

 103.3647,
160.3310, 61.4740

 0.3461, 2.9316,
0.0000

 131.5998,
198.4321, 82.7860

 0.0000, 1.0961,
0.0000

 164.5586,

 0.0000, 0.0000,

242.1364, 108.5292

0.0000

202.6064,
291.8283, 139.1222

■ 20.2567, 40.4204,
6.7343

■ 20.2567, 40.4204,
6.7343

■ 20.2572, 40.4219,
6.7345

■ 20.7036, 40.6376,
7.4062

■ 21.5935, 41.0672,
8.7627

■ 23.0395, 41.7637,
11.0424

■ 25.1126, 42.7609,
14.3701

■ 27.8729, 44.0876,
18.8512

■ 31.3737, 45.7692,
24.5784

■ 35.6631, 47.8287,
31.6350

■ 40.7849, 50.2871,
40.0969

■ 46.7800, 53.1640,
50.0346

Harmonies

Analogous

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



30.5684, 40.4204, 2.0028



20.2567, 40.4204, 6.7343



15.6051, 40.4204, 25.8384

Triad

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



20.2567, 40.4204, 6.7343



31.3967, 40.4204, 197.1763



76.3384, 40.4204, 23.9657

Complementary

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



20.2567, 40.4204, 6.7343



32.1915, 15.4182, 54.7075

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.



76.7440, 40.4204, 69.1703



20.2567, 40.4204, 6.7343



47.5089, 40.4204, 195.1891

Square

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



20.2567, 40.4204, 6.7343



20.7169, 40.4204, 142.7660



65.0888, 40.4204, 138.4184



64.0992, 40.4204, 6.1770

Rectangle

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



20.2567, 40.4204, 6.7343



15.1910, 40.4204, 53.7584



65.0888, 40.4204, 138.4184



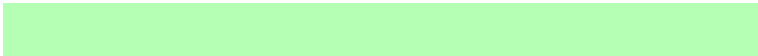
77.9585, 40.4204, 35.5193

Sweetspot

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



20.2576, 40.4221, 6.7352



62.7677, 84.5089, 55.3868



42.0088, 49.4444, 7.3303



12.7076, 17.7392, 10.6573



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.



20.2576, 40.4221, 6.7352



35.8403, 71.5614, 11.9238



22.1451, 41.1698, 16.9997



10.5217, 11.9004, 11.3052



13.1841, 26.2920, 4.3800



0.6331, 1.2495, 0.2078

Inverse Universe

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



32.1915, 15.4182, 54.7075



56.9686, 27.2833, 96.8714



25.8713, 13.0393, 14.6835



11.0557, 10.8025, 13.4199



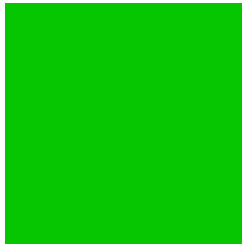
20.9454, 10.0320, 35.5768



1.0003, 0.4794, 1.6850

Previews

White Background



This preview shows how the XYZ color 20.2567, 40.4204, 6.7343 looks on a white background.

Color Contrast Check

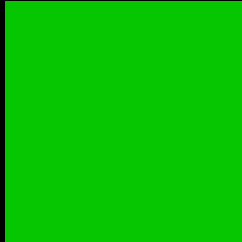
Large Text (above 18pt) WCAG AA × Fail

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 20.2567, 40.4204, 6.7343 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

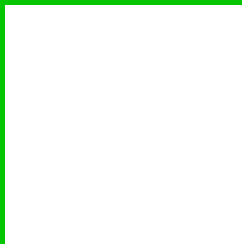
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2567, 40.4204, 6.7343

Background



This preview shows how black text looks on a background with the XYZ color 20.2567, 40.4204, 6.7343.



This preview shows how white text looks on a background with the XYZ color 20.2567, 40.4204,

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

20.2567, 40.4204, 6.7343

Protanopia

35.8606, 39.8258, 5.7971

Deuteranopia

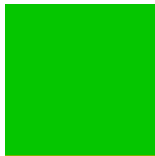
40.4474, 39.4622, 7.7706



Tritanopia

31.0166, 40.2435, 60.1659

Trichromacy



Original Color

20.2567, 40.4204, 6.7343



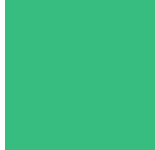
Protanomaly

24.4896, 36.8535, 5.8227



Deuteranomaly

25.6504, 35.6696, 6.5699



Tritanomaly

23.6039, 38.7397, 26.3121

Monochromacy



Original Color

20.2567, 40.4204, 6.7343



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

14.7643, 22.9532, 10.3089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2567, 40.4204, 6.7343 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(5, 198, 0)` looks like.

```
.text, #text, p{  
    color:rgb(5, 198, 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(5, 198, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 198, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.2567, 40.4204, 6.7343 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(5, 198, 0) }
```


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

```
.border{ border-color:rgb(5, 198, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 198, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 198, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 198, 0); box-shadow:4px  
4px 4px 4px rgb(5, 198, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2567, 40.4204, 6.7343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 198, 0) }
```

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

```
.background{ background-color: rgb(5, 198,  
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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