

Converting Colors

XYZ(20.5572, 40.8636, 7.6258)

Have a look what the booklet for
XYZ(20.5572, 40.8636, 7.6258)
contains.

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Color

**XYZ(20.5781, 40.9087,
7.6222)**

Conversions

Conversions Part 1

Format	Color
Hex	00C717
RGB	0, 199, 23
RGB Percent	0%, 78%, 9%
CMY	1.0000, 0.2196, 0.9098
CMYK	1.00, 0.00, 0.88, 0.22
HSL	127°, 100%, 39%
HSV	127°, 100%, 78%
XYZ	20.5781, 40.9087, 7.6222
YIQ	119.4350, -62.1080, -96.9240

Conversions

Conversions Part 2

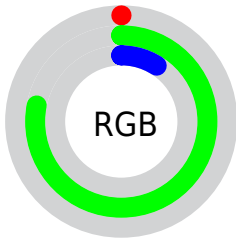
Format	Color
RYB	0, 178, 199
Decimal	50967
CIELab	70.11, -70.94, 66.04
CIELCh	70, 96.922, 137.047
Yxy	40.9087, 0.2978, 0.5919
Android (android.graphics.Color)	4278241047 (0xFF00C717)
YUV	119.4350, -47.5425, -104.7445
Hunter-Lab	63.9599, -54.5003, 37.7063

Details

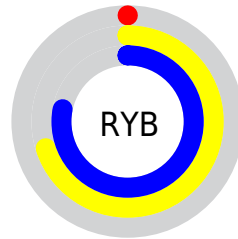
The XYZ color **20.5781, 40.9087, 7.6222** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **31.3901, 15.2771, 42.3660**, and the grayscale version is **17.8346, 18.7634, 20.4334**.

A 20% lighter version of the original color is **43.1150, 75.1081, 21.4574**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **20.5790, 40.9104, 7.6230**, and if you desaturate by 10%, it is **21.1043, 41.1536, 8.8936**.

Distribution



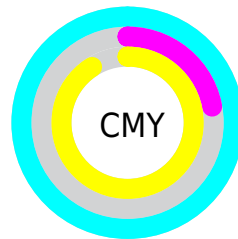
- Red (0%)
- Green (78%)
- Blue (9%)



- Red (0%)
- Yellow (70%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (88%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5781, 40.9087, 7.6222 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 20.5781, 40.9087, 7.6222 by changing the saturation by 10% instead.


 20.5781, 40.9087,
7.6222


 20.5781, 40.9087,
7.6222


247.8021,
349.9389, 182.5605


 12.9267, 28.2478,
3.7699


 43.8809, 76.5453,
21.7482


 7.4547, 18.5125,
1.5000


 60.2630, 100.2897,
32.8590


 3.7969, 11.3186,
0.2179


 80.2860, 128.4974,
47.2263

 1.5879, 6.2815,
0.0000

 104.3152,
161.5528, 65.2688

 0.3845, 3.0170,
0.0000

 132.7161,
199.8402, 87.4049

 0.0000, 1.1406,
0.0000

 165.8540,

 0.0000, 0.0124,

243.7441, 114.0532

0.0000

204.0942,
293.6489, 145.6322

■ 0.0000, 0.0000,
0.0000

■ 20.5781, 40.9087,
7.6222

■ 20.5781, 40.9087,
7.6222

■ 20.5790, 40.9104,
7.6230

■ 21.1043, 41.1536,
8.8936

■ 22.0608, 41.6033,
10.8987

■ 23.5678, 42.3191,
13.7292

■ 25.6932, 43.3344,
17.4616

■ 28.4950, 44.6776,
22.1634

■ 32.0243, 46.3738,
27.8960

■ 36.3274, 48.4456,
34.7155

■ 41.4468, 50.9139,
42.6739

■ 47.4217, 53.7978,
51.8201

Harmonies

Analogous

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



30.6191, 40.9087, 2.3654



20.5781, 40.9087, 7.6222



16.1114, 40.9087, 27.7112

Triad

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



20.5781, 40.9087, 7.6222



32.4470, 40.9087, 195.1116



75.8786, 40.9087, 23.5511

Complementary

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



20.5781, 40.9087, 7.6222



31.3901, 15.2771, 42.3660

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.



76.7617, 40.9087, 67.0961



20.5781, 40.9087, 7.6222



48.5131, 40.9087, 190.8245

Square

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



20.5781, 40.9087, 7.6222



21.6015, 40.9087, 143.7554



65.7085, 40.9087, 134.3432



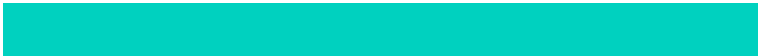
63.5491, 40.9087, 6.3428

Rectangle

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



20.5781, 40.9087, 7.6222



15.8105, 40.9087, 56.1254



65.7085, 40.9087, 134.3432



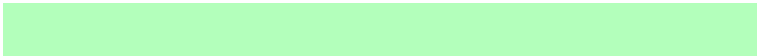
77.6224, 40.9087, 34.6742

Sweetspot

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



20.5791, 40.9104, 7.6231



63.2417, 84.6469, 60.2129



39.0386, 50.4445, 7.6793



12.8156, 17.7708, 11.7516



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.



20.5791, 40.9104, 7.6231



35.9878, 71.6111, 13.1196



23.7783, 42.1901, 24.4704



10.5465, 11.9075, 11.5622



13.2492, 26.3120, 4.9907



0.6444, 1.2527, 0.3264

Inverse Universe

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



31.3901, 15.2771, 42.3660



54.9012, 26.7245, 73.8689



24.9875, 12.7160, 8.6503



11.0283, 10.7947, 13.1320



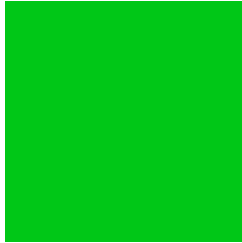
20.2046, 9.8314, 27.3510



0.9721, 0.4717, 1.3760

Previews

White Background



This preview shows how the XYZ color 20.5781, 40.9087, 7.6222 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 20.5781, 40.9087, 7.6222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

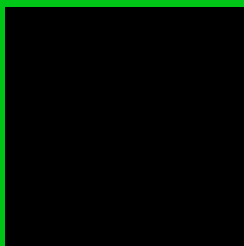
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.5781, 40.9087, 7.6222

Background



This preview shows how black text looks on a background with the XYZ color 20.5781, 40.9087, 7.6222.



This preview shows how white text looks on a background with the XYZ color 20.5781, 40.9087,

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

20.5781, 40.9087, 7.6222

Protanopia

36.1734, 39.9801, 6.1270

Deuteranopia

40.7189, 39.8493, 8.3419



Tritanopia

31.3416, 40.7071, 60.8490

Trichromacy



Original Color

20.5781, 40.9087, 7.6222



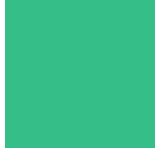
Protanomaly

24.6361, 37.2198, 6.3376



Deuteranomaly

25.8495, 36.0407, 7.5136



Tritanomaly

24.3256, 39.3614, 29.6080

Monochromacy



Original Color

20.5781, 40.9087, 7.6222



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.1706, 23.3564, 12.0962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5781, 40.9087, 7.6222 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(0, 199, 23)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 23)  
}
```

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(0, 199, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 23) }
```

Border

The CSS property to change the border of an element to XYZ 20.5781, 40.9087, 7.6222 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(0, 199, 23) }
```


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

```
.border{ border-color:rgb(0, 199, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 23);  
box-shadow:4px 4px 4px 4px rgb(0, 199, 23)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.5781, 40.9087, 7.6222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 23) }
```

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

```
.background{ background-color: rgb(0, 199,  
23) }
```

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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