

Converting Colors

XYZ(20.3232, 38.1137, 7.2745)

Have a look what the booklet for
XYZ(20.3232, 38.1137, 7.2745)
contains.

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Color

**XYZ(20.3386, 38.1205,
7.2633)**

Conversions

Conversions Part 1

Format	Color
Hex	36BF1A
RGB	54, 191, 26
RGB Percent	21%, 75%, 10%
CMY	0.7882, 0.2510, 0.8980
CMYK	0.72, 0.00, 0.86, 0.25
HSL	110°, 76%, 43%
HSV	110°, 86%, 75%
XYZ	20.3386, 38.1205, 7.2633
YIQ	131.2270, -28.6870, -80.3590

Conversions

Conversions Part 2

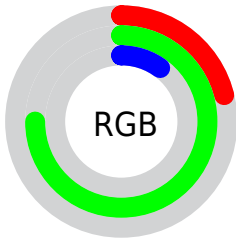
Format	Color
RYB	26, 191, 163
Decimal	3587866
CIELab	68.11, -63.48, 63.90
CIElCh	68, 90.072, 134.808
Yxy	38.1205, 0.3095, 0.5800
Android (android.graphics.Color)	4281777946 (0xFF36BF1A)
YUV	131.2270, -51.8769, -67.7281
Hunter-Lab	61.7418, -49.2478, 36.2444

Details

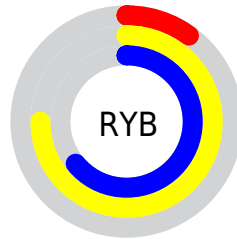
The XYZ color **20.3386, 38.1205, 7.2633** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **24.8810, 12.2889, 50.3530**, and the grayscale version is **21.8430, 22.9805, 25.0258**.

A 20% lighter version of the original color is **43.7049, 72.6102, 21.1629**, and **8.8042, 17.6083, 2.9347** is the 20% darker color. If you saturate the color by 10%, you get **19.4740, 37.6931, 6.4475**, and if you desaturate by 10%, it is **21.6231, 38.7504, 8.8337**.

Distribution



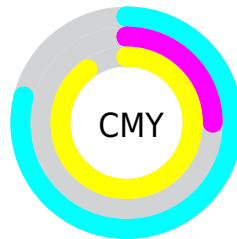
- Red (21%)
- Green (75%)
- Blue (10%)



- Red (10%)
- Yellow (75%)
- Blue (64%)



- Cyan (72%)
- Magenta (0%)
- Yellow (86%)
- Black (25%)





- Cyan (79%)
- Magenta (25%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3386, 38.1205, 7.2633 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 20.3386, 38.1205, 7.2633 by changing the saturation by 10% instead.


 20.3386, 38.1205,
7.2633


 20.3386, 38.1205,
7.2633


246.5411,
338.1366, 179.5470


 12.7511, 26.0762,
3.5464


 43.4838, 72.2928,
21.0228

 7.3332, 16.8807,
1.3799


 59.7722, 95.1896,
31.9025


 3.7195, 10.1495,
0.1260


 79.6916, 122.4727,
46.0068

 1.5447, 5.4982,
0.0000

 103.6073,
154.5265, 63.7543

 0.3560, 2.5424,
0.0000

 131.8848,
191.7354, 85.5635

 0.0000, 0.8978,
0.0000

 164.8893,

 0.0000, 0.0000,

234.4838, 111.8530

0.0000

202.9863,
283.1561, 143.0414

■ 20.3386, 38.1205,
7.2633

■ 20.3386, 38.1205,
7.2633

■ 19.4740, 37.6931,
6.4475

■ 21.6231, 38.7504,
8.8337

■ 19.2399, 37.5768,
6.2390

■ 23.3751, 39.6009,
11.2937

■ 25.6370, 40.6929,
14.7500

■ 28.4458, 42.0432,
19.2935

■ 31.8346, 43.6673,
25.0049

■ 35.8342, 45.5794,
31.9572

■ 40.4730, 47.7928,
40.2177

■ 45.7775, 50.3197,
49.8485

■ 51.7728, 53.1718,
60.9080

Harmonies

Analogous

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



29.7594, 38.1205, 2.6468



20.3386, 38.1205, 7.2633



15.9200, 38.1205, 24.3588

Triad

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



20.3386, 38.1205, 7.2633



29.6062, 38.1205, 169.8229



69.1141, 38.1205, 24.7119

Complementary

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



20.3386, 38.1205, 7.2633



24.8810, 12.2889, 50.3530

Split Complementary

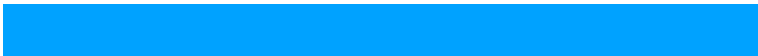
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.0420, 38.1205, 65.2527



20.3386, 38.1205, 7.2633



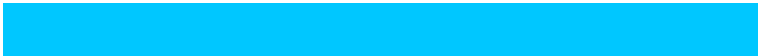
43.5819, 38.1205, 170.1667

Square

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



20.3386, 38.1205, 7.2633



20.2515, 38.1205, 123.3502



58.7905, 38.1205, 124.1103



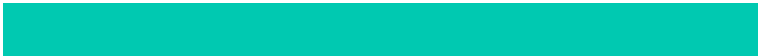
58.9676, 38.1205, 7.3787

Rectangle

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



20.3386, 38.1205, 7.2633



15.4345, 38.1205, 48.3322



58.7905, 38.1205, 124.1103



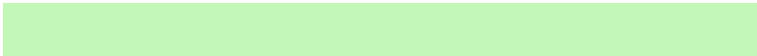
70.3548, 38.1205, 35.3561

Sweetspot

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



20.3395, 38.1221, 7.2642



64.1543, 81.6189, 57.1938



34.3754, 36.5556, 6.2220



13.5083, 17.6460, 11.5437



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.



20.3395, 38.1221, 7.2642



34.3212, 67.2272, 11.1672



20.4423, 38.0367, 13.5207



9.5556, 10.7253, 10.1432



12.6912, 24.7184, 4.1022



0.5446, 0.9927, 0.1629

Inverse Universe

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



24.8810, 12.2889, 50.3530



42.1267, 19.7715, 89.8751



26.4987, 13.6730, 25.5751



9.7668, 9.6122, 12.0128



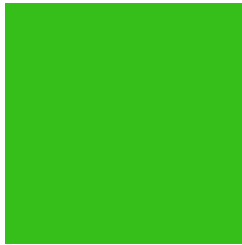
15.5835, 7.3197, 32.9844



0.6531, 0.3087, 1.2940

Previews

White Background



This preview shows how the XYZ color 20.3386, 38.1205, 7.2633 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 20.3386, 38.1205, 7.2633 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 20.3386, 38.1205, 7.2633

Background



This preview shows how black text looks on a background with the XYZ color 20.3386, 38.1205, 7.2633.



This preview shows how white text looks on a background with the XYZ color 20.3386, 38.1205,

7.2633.

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

20.3386, 38.1205, 7.2633

Protanopia

33.8140, 37.3930, 6.0077

Deuteranopia

38.1337, 37.2476, 7.8690



Tritanopia

30.0509, 38.0262, 55.6251

Trichromacy



Original Color

20.3386, 38.1205, 7.2633



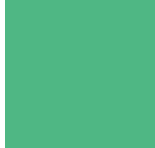
Protanomaly

25.7526, 35.7295, 6.2486



Deuteranomaly

27.3167, 35.1017, 7.2550



Tritanomaly

24.3228, 37.1952, 27.7272

Monochromacy



Original Color

20.3386, 38.1205, 7.2633



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

18.9605, 26.4563, 14.4632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3386, 38.1205, 7.2633 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(54, 191, 26)` looks like.

```
.text, #text, p{  
    color:rgb(54, 191, 26)  
}
```

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(54, 191, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 191, 26) }
```

Border

The CSS property to change the border of an element to XYZ 20.3386, 38.1205, 7.2633 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(54, 191, 26) }
```


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

```
.border{ border-color:rgb(54, 191, 26) }
```

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

Here you see how a box with a 4 pixel rgb(54, 191, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 191, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 191, 26);  
box-shadow:4px 4px 4px 4px rgb(54, 191,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3386, 38.1205, 7.2633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 191, 26) }
```

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

```
.background{ background-color: rgb(54, 191,  
26) }
```

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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