

Converting Colors

XYZ(40.1271, 71.1898, 20.7425)

Have a look what the booklet for
XYZ(40.1271, 71.1898, 20.7425)
contains.

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Color

**XYZ(40.1224, 71.2330,
20.6515)**

Conversions

Conversions Part 1

Format	Color
Hex	5AFA57
RGB	90, 250, 87
RGB Percent	35%, 98%, 34%
CMY	0.6471, 0.0196, 0.6588
CMYK	0.64, 0.00, 0.65, 0.02
HSL	119°, 94%, 66%
HSV	119°, 65%, 98%
XYZ	40.1224, 71.2330, 20.6515
YIQ	183.5780, -43.0370, -84.6130

Conversions

Conversions Part 2

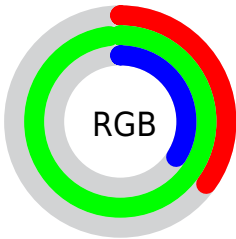
Format	Color
R _{YB}	87, 250, 247
Decimal	5962327
CIE Lab	87.60, -71.47, 63.71
CIE LCh	88, 95.740, 138.286
Yxy	71.2330, 0.3039, 0.5396
Android (android.graphics.Color)	4284152407 (0xFF5AFA57)
YUV	183.5780, -47.6130, -82.0679
Hunter-Lab	84.3996, -62.8430, 44.5723

Details

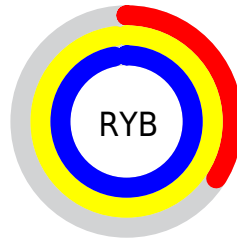
The XYZ color **40.1224, 71.2330, 20.6515** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **59.0255, 33.4954, 93.8005**, and the grayscale version is **45.6000, 47.9748, 52.2445**.

A 20% lighter version of the original color is **54.4282, 80.5711, 38.6697**, and **19.0043, 37.7611, 7.0976** is the 20% darker color. If you saturate the color by 10%, you get **37.2672, 69.8615, 16.0785**, and if you desaturate by 10%, it is **44.1221, 73.1579, 27.1263**.

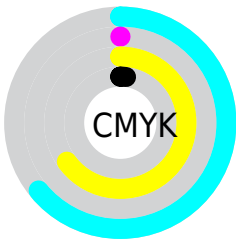
Distribution



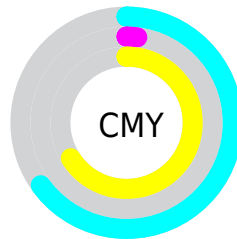
- Red (35%)
- Green (98%)
- Blue (34%)



- Red (34%)
- Yellow (98%)
- Blue (97%)



- Cyan (64%)
- Magenta (0%)
- Yellow (65%)
- Black (2%)





- Cyan (65%)
- Magenta (2%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1224, 71.2330, 20.6515 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 40.1224, 71.2330, 20.6515 by changing the saturation by 10% instead.


 40.1224, 71.2330,
20.6515


 40.1224, 71.2330,
20.6515


337.7648,
464.8675, 268.1405

 27.8186, 52.5324,
12.6807


 74.6330, 120.9654,
45.3800


 18.3287, 37.4296,
7.0809


 97.5706, 152.7660,
62.9749

 11.2874, 25.5403,
3.4336


 124.7834,
189.7020, 84.6149

 6.3292, 16.4800,
1.3200

 156.6370,
232.1579, 110.7185

 3.0888, 9.8645,
0.0781

193.4965,
280.5180, 141.7044

 1.2009, 5.3092,
0.0000

235.7274,

 0.1071, 2.4298,

335.1667, 177.9910

0.0000

283.6951,
396.4884, 219.9968

■ 0.0000, 0.8412,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.1224, 71.2330,
20.6515

■ 40.1224, 71.2330,
20.6515

■ 37.2672, 69.8615,
16.0785

■ 44.1221, 73.1579,
27.1263

■ 35.4323, 68.9774,
13.1971


■ 49.3642, 75.6765,
35.6745


■ 34.4736, 68.5141,
11.7556


■ 55.9415, 78.8355,
46.4538

■ 34.2445, 68.4037,
11.3984

■ 63.9371, 82.6745,
59.6056

 73.4270, 87.2301,
75.2594

 84.4818, 92.5360,
93.5354

 93.4770, 96.8541,
108.3757

Harmonies

Analogous

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



54.9398, 71.2330, 9.1844



40.1224, 71.2330, 20.6515



33.3892, 71.2330, 54.8948

Triad

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



40.1224, 71.2330, 20.6515



59.2426, 71.2330, 274.9891



118.0428, 71.2330, 44.6412

Complementary

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



40.1224, 71.2330, 20.6515



59.0255, 33.4954, 93.8005

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.



119.9244, 71.2330, 105.7377



40.1224, 71.2330, 20.6515



82.3082, 71.2330, 266.4746

Square

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



40.1224, 71.2330, 20.6515



42.6648, 71.2330, 212.8783



105.6926, 71.2330, 193.6688



101.0131, 71.2330, 16.7436

Rectangle

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



40.1224, 71.2330, 20.6515



33.1076, 71.2330, 96.9582



105.6926, 71.2330, 193.6688



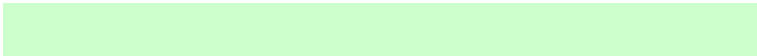
120.5879, 71.2330, 60.9398

Sweetspot

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



40.1241, 71.2360, 20.6531



71.8187, 88.8499, 70.4912



73.6693, 86.0587, 21.7461



14.7863, 18.7363, 14.1220



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.



40.1241, 71.2360, 20.6531



38.3250, 72.7596, 15.7783



44.7353, 73.0475, 46.4257



17.0469, 19.3244, 18.2939



18.1765, 36.2886, 6.0464



1.6935, 3.3661, 0.5605

Inverse Universe

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



59.0255, 33.4954, 93.8005



59.3768, 30.6313, 97.3907



50.4685, 30.1956, 43.1812



17.9597, 17.5074, 21.8180



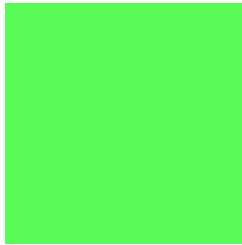
29.2163, 14.0042, 49.1368



2.7157, 1.3021, 4.5514

Previews

White Background



This preview shows how the XYZ color 40.1224, 71.2330, 20.6515 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 40.1224, 71.2330, 20.6515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

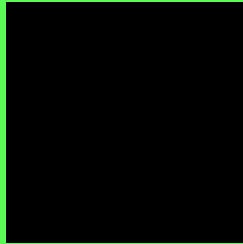
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1224, 71.2330, 20.6515

Background



This preview shows how black text looks on a background with the XYZ color 40.1224, 71.2330, 20.6515.



This preview shows how white text looks on a background with the XYZ color 40.1224, 71.2330,

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

40.1224, 71.2330, 20.6515

Protanopia

63.4087, 69.7476, 17.3284

Deuteranopia

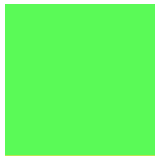
69.6319, 69.4913, 37.7601



Tritanopia

56.5125, 70.7628, 103.6086

Trichromacy



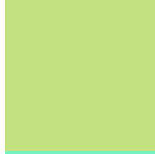
Original Color

40.1224, 71.2330, 20.6515



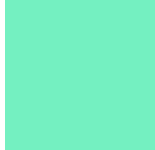
Protanomaly

50.2755, 67.7525, 18.2123



Deuteranomaly

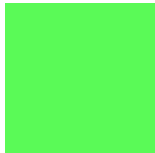
53.1968, 66.9589, 29.8593



Tritanomaly

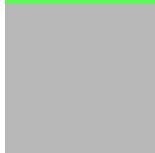
47.9882, 69.8834, 61.4117

Monochromacy



Original Color

40.1224, 71.2330, 20.6515



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

40.5584, 53.7657, 36.6739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1224, 71.2330, 20.6515 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(90, 250, 87)` looks like.

```
.text, #text, p{  
    color:rgb(90, 250, 87)  
}
```

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(90, 250, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 250, 87) }
```

Border

The CSS property to change the border of an element to XYZ 40.1224, 71.2330, 20.6515 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(90, 250, 87) }
```


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

```
.border{ border-color:rgb(90, 250, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 250, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 250, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 250, 87);  
box-shadow:4px 4px 4px 4px rgb(90, 250,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1224, 71.2330, 20.6515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 250, 87) }
```

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

```
.background{ background-color: rgb(90, 250,  
87) }
```

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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