

Converting Colors

XYZ(40.5098, 73.2123, 20.1945)

Have a look what the booklet for
XYZ(40.5098, 73.2123, 20.1945)
contains.

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Color

**XYZ(40.5704, 73.3472,
20.2028)**

Conversions

Conversions Part 1

Format	Color
Hex	53FE53
RGB	83, 254, 83
RGB Percent	33%, 100%, 33%
CMY	0.6745, 0.0039, 0.6745
CMYK	0.67, 0.00, 0.67, 0.00
HSL	120°, 99%, 66%
HSV	120°, 67%, 100%
XYZ	40.5704, 73.3472, 20.2028
YIQ	183.3770, -47.0250, -89.4330

Conversions

Conversions Part 2

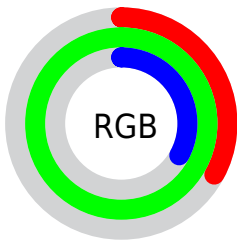
Format	Color
RYB	83, 254, 254
Decimal	5504595
CIELab	88.61, -74.45, 66.29
CIELCh	89, 99.690, 138.317
Yxy	73.3472, 0.3025, 0.5469
Android (android.graphics.Color)	4283694675 (0xFF53FE53)
YUV	183.3770, -49.4859, -88.0306
Hunter-Lab	85.6430, -65.3170, 45.9638

Details

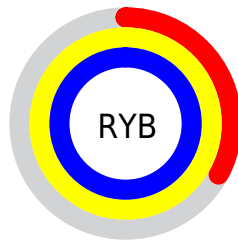
The XYZ color **40.5704, 73.3472, 20.2028** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted green. A complement of this color would be **61.8572, 34.4139, 97.1472**, and the grayscale version is **45.5005, 47.8701, 52.1306**.

A 20% lighter version of the original color is **53.4425, 80.0888, 37.4529**, and **19.8063, 39.5064, 6.9294** is the 20% darker color. If you saturate the color by 10%, you get **37.9188, 72.0757, 15.8642**, and if you desaturate by 10%, it is **44.4049, 75.1913, 26.4738**.

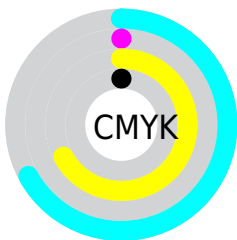
Distribution



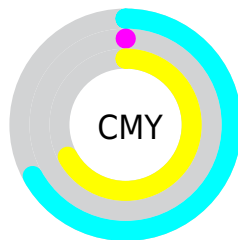
- Red (33%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5704, 73.3472, 20.2028 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 40.5704, 73.3472, 20.2028 by changing the saturation by 10% instead.


 40.5704, 73.3472,
20.2028


 40.5704, 73.3472,
20.2028


339.6152,
472.2173, 265.6513


 28.1697, 54.2599,
12.3570


 75.3102, 123.9700,
44.6204


 18.5948, 38.8095,
6.8618


 98.3800, 156.2743,
62.0292

 11.4801, 26.6116,
3.2987


 125.7369,
193.7530, 83.4628

 6.4604, 17.2817,
1.2491

 157.7462,
236.7906, 109.3398

 3.1703, 10.4355,
0.0195

194.7734,
285.7714, 140.0785

 1.2444, 5.6887,
0.0000

237.1837,

 0.1410, 2.6567,

341.0799, 176.0977

0.0000

285.3425,
403.1004, 217.8158

0.0000, 0.9553,
0.0000

0.0000, 0.0000,
0.0000

40.5704, 73.3472,
20.2028

40.5704, 73.3472,
20.2028

37.9188, 72.0757,
15.8642

44.4049, 75.1913,
26.4738

36.3087, 71.3023,
13.2303


49.5326, 77.6544,
34.8612


35.5657, 70.9454,
12.0148

56.0571, 80.7885,
45.5333

35.4434, 70.8867,
11.8147

64.0702, 84.6375,
58.6400

 73.6556, 89.2419,
74.3186

 84.8911, 94.6389,
92.6960

94.7333, 99.3666,
108.7944

Harmonies

Analogous

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



56.1696, 73.3472, 8.5753



40.5704, 73.3472, 20.2028



33.5303, 73.3472, 55.9363

Triad

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



40.5704, 73.3472, 20.2028



60.7640, 73.3472, 292.3913



123.4664, 73.3472, 45.0570

Complementary

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



40.5704, 73.3472, 20.2028



61.8572, 34.4139, 97.1472

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.



125.5044, 73.3472, 109.7916



40.5704, 73.3472, 20.2028



85.2783, 73.3472, 283.0719

Square

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



40.5704, 73.3472, 20.2028



43.2649, 73.3472, 225.1973



110.2613, 73.3472, 204.2576



105.2052, 73.3472, 16.1717

Rectangle

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



40.5704, 73.3472, 20.2028



33.2416, 73.3472, 100.5884



110.2613, 73.3472, 204.2576



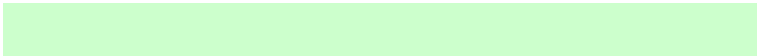
126.2038, 73.3472, 62.1993

Sweetspot

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



40.5721, 73.3503, 20.2044



71.5611, 88.7171, 70.4803



77.8794, 92.5829, 21.9492



14.7263, 18.7053, 14.1194



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.



40.5721, 73.3503, 20.2044



37.5432, 72.3766, 14.8374



46.1254, 75.5715, 49.4473



17.7717, 20.1682, 19.1007



18.6854, 37.3708, 6.2287



1.8193, 3.6387, 0.6065

Inverse Universe

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



61.8572, 34.4139, 97.1472



60.3643, 30.6304, 97.3323



51.0828, 30.1041, 40.4099



18.7927, 18.3004, 22.7916



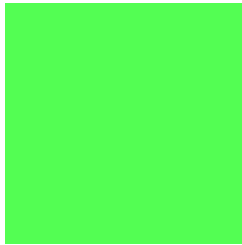
30.9796, 14.8811, 50.6702



3.0164, 1.4489, 4.9336

Previews

White Background



This preview shows how the XYZ color 40.5704, 73.3472, 20.2028 looks on a white background.

Color Contrast Check

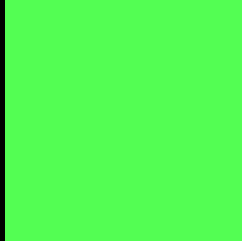
Large Text (above 18pt) WCAG AA × Fail

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 40.5704, 73.3472, 20.2028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

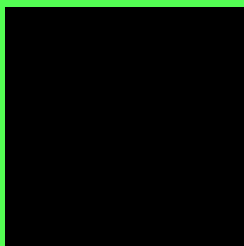
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5704, 73.3472, 20.2028

Background



This preview shows how black text looks on a background with the XYZ color 40.5704, 73.3472, 20.2028.

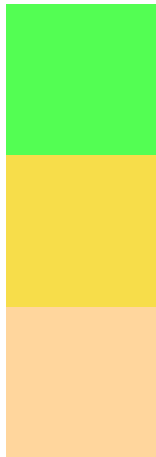


This preview shows how white text looks on a background with the XYZ color 40.5704, 73.3472,

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

40.5704, 73.3472, 20.2028

Protanopia

65.4503, 71.9815, 16.9228

Deuteranopia

71.3724, 71.7875, 41.9929



Tritanopia

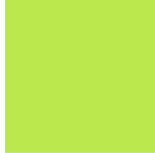
58.3259, 72.9393, 105.6123

Trichromacy



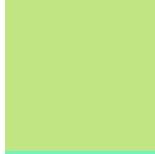
Original Color

40.5704, 73.3472, 20.2028



Protanomaly

50.9720, 69.3784, 17.7261



Deuteranomaly

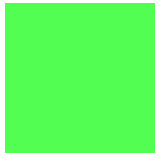
53.7868, 68.8568, 31.5749



Tritanomaly

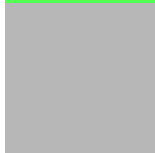
48.7675, 71.6200, 61.1229

Monochromacy



Original Color

40.5704, 73.3472, 20.2028



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

40.0995, 53.9106, 35.8961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5704, 73.3472, 20.2028 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(83, 254, 83)` looks like.

```
.text, #text, p{  
    color:rgb(83, 254, 83)  
}
```

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(83, 254, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 254, 83) }
```

Border

The CSS property to change the border of an element to XYZ 40.5704, 73.3472, 20.2028 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(83, 254, 83) }
```


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

```
.border{ border-color:rgb(83, 254, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 254, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 254, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 254, 83);  
box-shadow:4px 4px 4px 4px rgb(83, 254,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5704, 73.3472, 20.2028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 254, 83) }
```

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

```
.background{ background-color: rgb(83, 254,  
83) }
```

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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