

Converting Colors

XYZ(45.1364, 76.1819, 20.1243)

Have a look what the booklet for
XYZ(45.1364, 76.1819, 20.1243)
contains.

XYZ(45.1304, 76.1790, 20.1100)	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(45.1304, 76.1790,
20.1100)**

Conversions

Conversions Part 1

Format	Color
Hex	79FF51
RGB	121, 255, 81
RGB Percent	47%, 100%, 32%
CMY	0.5255, 0.0000, 0.6823
CMYK	0.53, 0.00, 0.68, 0.00
HSL	106°, 100%, 66%
HSV	106°, 68%, 100%
XYZ	45.1304, 76.1790, 20.1100
YIQ	195.0980, -24.0100, -82.5220

Conversions

Conversions Part 2

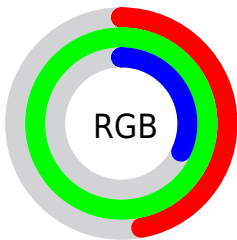
Format	Color
RYB	81, 255, 215
Decimal	7995217
CIELab	89.94, -66.57, 68.76
CIELCh	90, 95.710, 134.074
Yxy	76.1790, 0.3191, 0.5387
Android (android.graphics.Color)	4286185297 (0xFF79FF51)
YUV	195.0980, -56.2503, -64.9839
Hunter-Lab	87.2806, -60.4436, 47.4356

Details

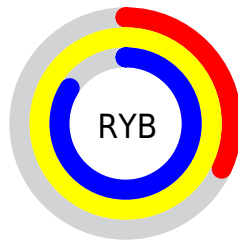
The XYZ color **45.1304, 76.1790, 20.1100** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **49.0188, 27.5536, 97.3425**, and the grayscale version is **52.2656, 54.9874, 59.8813**.

A 20% lighter version of the original color is **59.8759, 83.4223, 36.9911**, and **21.2981, 40.6172, 6.8035** is the 20% darker color. If you saturate the color by 10%, you get **41.8692, 74.5884, 15.8686**, and if you desaturate by 10%, it is **49.3112, 78.2023, 26.2696**.

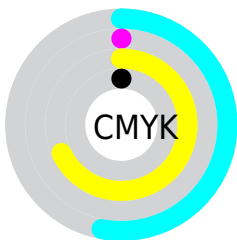
Distribution



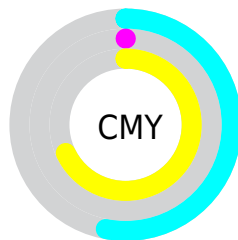
- Red (47%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (84%)



- Cyan (53%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1304, 76.1790, 20.1100 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 45.1304, 76.1790, 20.1100 by changing the saturation by 10% instead.


 45.1304, 76.1790,
20.1100

 45.1304, 76.1790,
20.1100


358.0762,
481.9602, 265.1339


 31.7619, 56.5793,
12.2902


 82.1519, 127.9799,
44.4629


 21.3343, 40.6676,
6.8167


 106.5356,
160.9499, 61.8331

 13.4825, 28.0594,
3.2710


 135.3217,
199.1454, 83.2238

 7.8409, 18.3705,
1.2346

 168.8756,
242.9509, 109.0535

 4.0442, 11.2163,
0.0073

207.5627,
292.7507, 139.7409

 1.7272, 6.2125,
0.0000

251.7482,

 0.4732, 2.9747,

348.9293, 175.7043

0.0000

301.7976,
411.8710, 217.3625

0.0000, 1.1186,
0.0000

0.0000, 0.0000,
0.0000

45.1304, 76.1790,
20.1100

45.1304, 76.1790,
20.1100

41.8692, 74.5884,
15.8686

49.3112, 78.2023,
26.2696

39.4501, 73.3952,
13.3162

54.4780, 80.6883,
34.5351

37.7766, 72.5568,
12.1432

60.6920, 83.6649,
45.0754

37.5409, 72.4381,
12.0033

68.0085, 87.1573,
58.0416

■ 76.4791, 91.1891,
73.5718

■ 86.1520, 95.7823,
91.7936

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



61.8895, 76.1790, 9.8634



45.1304, 76.1790, 20.1100



36.8572, 76.1790, 52.0661

Triad

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



45.1304, 76.1790, 20.1100



60.6181, 76.1790, 282.1132



126.1524, 76.1790, 55.1079

Complementary

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



45.1304, 76.1790, 20.1100



49.0188, 27.5536, 97.3425

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.



125.6017, 76.1790, 124.1139



45.1304, 76.1790, 20.1100



84.0507, 76.1790, 284.5874

Square

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



45.1304, 76.1790, 20.1100



44.3754, 76.1790, 210.7122



108.9150, 76.1790, 216.3094



110.2868, 76.1790, 21.2911

Rectangle

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



45.1304, 76.1790, 20.1100



35.8262, 76.1790, 92.5582



108.9150, 76.1790, 216.3094



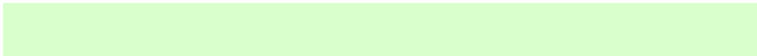
127.9733, 76.1790, 74.0234

Sweetspot

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



45.1307, 76.1792, 20.1112



74.8962, 90.4364, 70.6353



66.8737, 70.1507, 17.8016



15.5084, 19.1085, 14.1558



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.



45.1307, 76.1792, 20.1112



40.8636, 74.0943, 14.7223



43.0110, 74.8125, 32.3905



18.1622, 20.3695, 19.1188



19.7224, 37.9054, 6.2770



2.0107, 3.7373, 0.6154

Inverse Universe

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



49.0188, 27.5536, 97.3425



44.7373, 22.4223, 96.5778



55.6422, 31.7295, 63.2550



18.3604, 18.0775, 22.7716



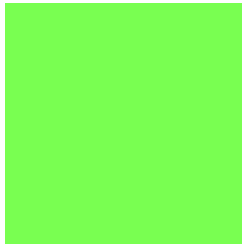
21.5160, 10.0024, 50.2312



2.1896, 1.0227, 4.8953

Previews

White Background



This preview shows how the XYZ color 45.1304, 76.1790, 20.1100 looks on a white background.

Color Contrast Check

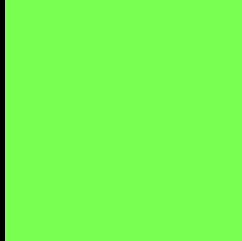
Large Text (above 18pt) WCAG AA × Fail

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 45.1304, 76.1790, 20.1100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

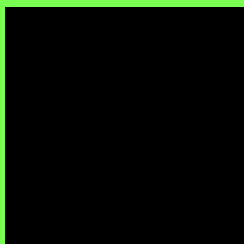
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

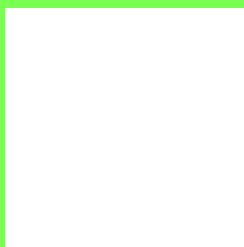
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.1304, 76.1790, 20.1100

Background



This preview shows how black text looks on a background with the XYZ color 45.1304, 76.1790, 20.1100.

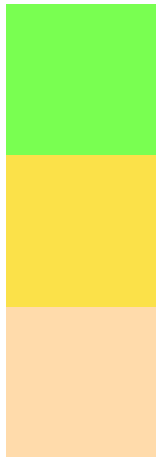


This preview shows how white text looks on a background with the XYZ color 45.1304, 76.1790,

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

45.1304, 76.1790, 20.1100

Protanopia

67.9115, 74.8407, 17.1697

Deuteranopia

73.9222, 74.8633, 49.0820



Tritanopia

63.2345, 75.4698, 105.8421

Trichromacy



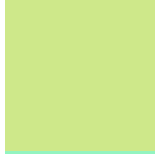
Original Color

45.1304, 76.1790, 20.1100



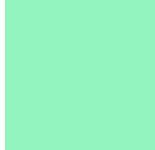
Protanomaly

56.2018, 73.3501, 18.0333



Deuteranomaly

58.8977, 72.6700, 34.9672



Tritanomaly

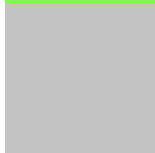
53.8977, 74.7102, 61.4490

Monochromacy



Original Color

45.1304, 76.1790, 20.1100



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

46.7940, 60.2836, 39.7414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1304, 76.1790, 20.1100 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(121, 255, 81)` looks like.

```
.text, #text, p{  
    color:rgb(121, 255, 81)  
}
```

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(121, 255, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 255, 81) }
```

Border

The CSS property to change the border of an element to XYZ 45.1304, 76.1790, 20.1100 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(121, 255, 81) }
```


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

```
.border{ border-color:rgb(121, 255, 81) }
```

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

Here you see how a box with a 4 pixel rgb(121, 255, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 255, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 255, 81);  
box-shadow:4px 4px 4px 4px rgb(121, 255,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1304, 76.1790, 20.1100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 255, 81) }
```

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

```
.background{ background-color: rgb(121,  
255, 81) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor