

Converting Colors

XYZ(41.5208, 69.7793, 15.6953)

Have a look what the booklet for
XYZ(41.5208, 69.7793, 15.6953)
contains.

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Color

**XYZ(41.5208, 69.7793,
15.6953)**

Conversions

Conversions Part 1

Format	Color
Hex	7AF53D
RGB	122, 245, 61
RGB Percent	48%, 96%, 24%
CMY	0.5216, 0.0392, 0.7608
CMYK	0.50, 0.00, 0.75, 0.04
HSL	100°, 90%, 60%
HSV	100°, 75%, 96%
XYZ	41.5208, 69.7793, 15.6953
YIQ	187.2470, -14.2440, -83.3000

Conversions

Conversions Part 2

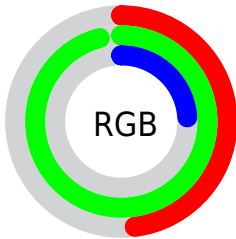
Format	Color
RYB	61, 245, 184
Decimal	8058173
CIELab	86.89, -64.10, 72.53
CIElCh	87, 96.795, 131.470
Yxy	69.7793, 0.3269, 0.5495
Android (android.graphics.Color)	4286248253 (0xFF7AF53D)
YUV	187.2470, -62.2398, -57.2216
Hunter-Lab	83.5340, -57.4606, 47.3337

Details

The XYZ color **41.5208, 69.7793, 15.6953** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **37.9214, 20.1230, 88.2754**, and the grayscale version is **47.7220, 50.2073, 54.6757**.

A 20% lighter version of the original color is **58.6786, 82.9433, 30.6863**, and **19.5045, 36.7507, 6.0656** is the 20% darker color. If you saturate the color by 10%, you get **38.8790, 68.4792, 12.8786**, and if you desaturate by 10%, it is **44.8579, 71.4073, 20.1193**.

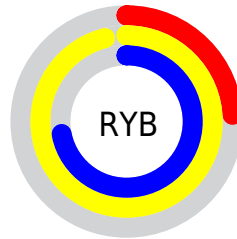
Distribution



Red (48%)

Green (96%)

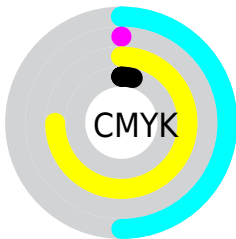
Blue (24%)



Red (24%)

Yellow (96%)

Blue (72%)

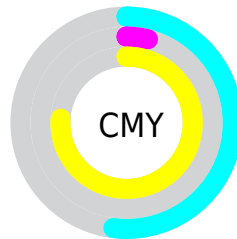


Cyan (50%)

Magenta (0%)

Yellow (75%)

Black (4%)



Cyan (52%)


Magenta (4%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.5208, 69.7793, 15.6953 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 41.5208, 69.7793, 15.6953 by changing the saturation by 10% instead.


 41.5208, 69.7793,
15.6953

 41.5208, 69.7793,
15.6953


343.5181,
459.7747, 239.3210


 28.9157, 51.3466,
9.1568


 76.7436, 118.8940,
36.8278

 19.1610, 36.4845,
4.7454


 100.0920,
150.3448, 52.2589


 11.8914, 24.8087,
2.0425


 127.7522,
186.9037, 71.4913

 6.7414, 15.9346,
0.5813

 160.0896,
228.9552, 94.9434

 3.3458, 9.4779,
0.0000

 197.4696,
276.8837, 123.0339

 1.3392, 5.0542,
0.0000

240.2574,

 0.2122, 2.2791,

331.0735, 156.1813

0.0000

288.8185,
391.9090, 194.8042

■ 0.0000, 0.7626,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.5208, 69.7793,
15.6953

■ 41.5208, 69.7793,
15.6953

■ 38.8790, 68.4792,
12.8786

■ 44.8579, 71.4073,
20.1193


■ 36.8634, 67.4701,
11.4282


■ 48.9400, 73.3783,
26.3384


■ 36.0657, 67.0666,
11.0443


■ 53.8170, 75.7165,
34.5192

■ 59.5326, 78.4412,
44.8082

 66.1273, 81.5704,
57.3380

 73.6384, 85.1206,
72.2301

 82.1012, 89.1077,
89.5974

 91.2233, 93.4162,
107.8309

 91.9438, 93.7877,
107.8646

Harmonies

Analogous

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



58.0566, 69.7793, 7.6514



41.5208, 69.7793, 15.6953



33.0807, 69.7793, 42.9107

Triad

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



41.5208, 69.7793, 15.6953



53.4574, 69.7793, 265.4333



118.6355, 69.7793, 53.8317

Complementary

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



41.5208, 69.7793, 15.6953



37.9214, 20.1230, 88.2754

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.



116.6079, 69.7793, 122.7525



41.5208, 69.7793, 15.6953



75.3394, 69.7793, 274.6638

Square

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



41.5208, 69.7793, 15.6953



38.8148, 69.7793, 191.6874



99.4390, 69.7793, 212.4639



104.4747, 69.7793, 19.7916

Rectangle

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



41.5208, 69.7793, 15.6953



31.6936, 69.7793, 79.2141



99.4390, 69.7793, 212.4639



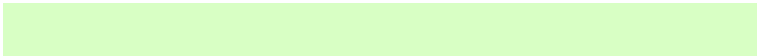
119.8970, 69.7793, 72.8309

Sweetspot

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



41.5224, 69.7823, 15.6968



74.0211, 90.0887, 65.9212



55.5729, 53.8954, 11.8898



15.2437, 18.9986, 12.9431



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.



41.5224, 69.7823, 15.6968



41.3725, 74.3924, 13.1269



36.4963, 67.0670, 21.0723



16.7997, 18.7388, 17.5291



19.5588, 36.1957, 5.9556



1.8233, 3.2350, 0.5283

Inverse Universe

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



37.9214, 20.1230, 88.2754



36.9812, 17.5115, 96.0387



51.5079, 27.6240, 66.4625



16.6487, 16.4771, 20.8455



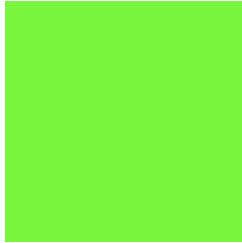
17.2553, 7.8698, 47.1476



1.6250, 0.7476, 4.1489

Previews

White Background



This preview shows how the XYZ color 41.5208, 69.7793, 15.6953 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 41.5208, 69.7793, 15.6953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

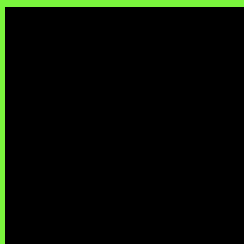
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

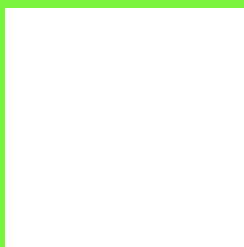
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.5208, 69.7793, 15.6953

Background



This preview shows how black text looks on a background with the XYZ color 41.5208, 69.7793, 15.6953.



This preview shows how white text looks on a background with the XYZ color 41.5208, 69.7793,

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

41.5208, 69.7793, 15.6953

Protanopia

62.1839, 68.4328, 13.4214

Deuteranopia

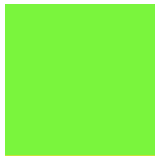
68.3833, 68.2067, 33.6058



Tritanopia

57.8583, 69.0722, 98.2785

Trichromacy



Original Color

41.5208, 69.7793, 15.6953



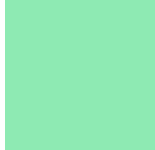
Protanomaly

51.7608, 67.3757, 14.1476



Deuteranomaly

54.4031, 66.1041, 24.6439



Tritanomaly

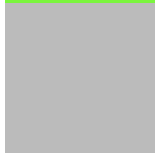
48.7148, 67.8511, 53.1769

Monochromacy



Original Color

41.5208, 69.7793, 15.6953



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

42.4679, 54.8214, 33.5426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5208, 69.7793, 15.6953 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(122, 245, 61)` looks like.

```
.text, #text, p{  
    color:rgb(122, 245, 61)  
}
```

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(122, 245, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 245, 61) }
```

Border

The CSS property to change the border of an element to XYZ 41.5208, 69.7793, 15.6953 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(122, 245, 61) }
```


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

```
.border{ border-color:rgb(122, 245, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 245, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 245, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 245, 61);  
box-shadow:4px 4px 4px 4px rgb(122, 245,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5208, 69.7793, 15.6953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 245, 61) }
```

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

```
.background{ background-color: rgb(122,  
245, 61) }
```

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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