

Converting Colors

XYZ(37.7725, 59.6414, 37.1249)

Have a look what the booklet for
XYZ(37.7725, 59.6414, 37.1249)
contains.

XYZ(37.7725, 59.6414, 37.1249)	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(37.7725, 59.6414,
37.1249)**

Conversions

Conversions Part 1

Format	Color
Hex	62E393
RGB	98, 227, 147
RGB Percent	38%, 89%, 58%
CMY	0.6157, 0.1098, 0.4235
CMYK	0.57, 0.00, 0.35, 0.11
HSL	143°, 70%, 64%
HSV	143°, 57%, 89%
XYZ	37.7725, 59.6414, 37.1249
YIQ	179.3090, -51.2040, -52.2280

Conversions

Conversions Part 2

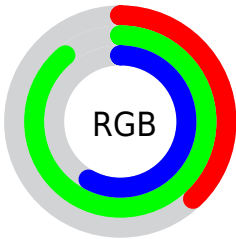
Format	Color
RYB	98, 191, 227
Decimal	6480787
CIELab	81.64, -53.27, 28.63
CIELCh	82, 60.474, 151.745
Yxy	59.6414, 0.2808, 0.4433
Android (android.graphics.Color)	4284670867 (0xFF62E393)
YUV	179.3090, -15.9283, -71.3080
Hunter-Lab	77.2278, -47.8435, 25.5577

Details

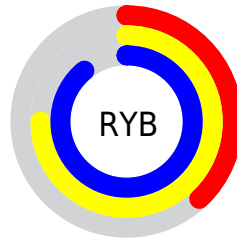
The XYZ color **37.7725, 59.6414, 37.1249** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **44.0839, 28.2817, 45.2567**, and the grayscale version is **43.1158, 45.3611, 49.3983**.

A 20% lighter version of the original color is **60.4032, 83.0061, 68.0965**, and **17.0509, 30.1645, 15.9900** is the 20% darker color. If you saturate the color by 10%, you get **34.6239, 58.1398, 31.5602**, and if you desaturate by 10%, it is **41.7538, 61.5599, 43.4369**.

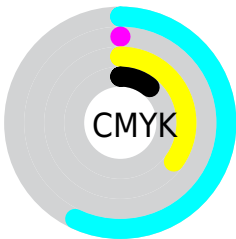
Distribution



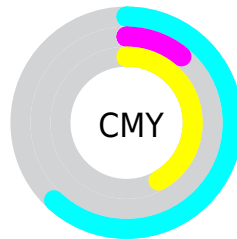
- Red (38%)
- Green (89%)
- Blue (58%)



- Red (38%)
- Yellow (75%)
- Blue (89%)



- Cyan (57%)
- Magenta (0%)
- Yellow (35%)
- Black (11%)



- Cyan (62%)
- Magenta (11%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7725, 59.6414, 37.1249 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 37.7725, 59.6414, 37.1249 by changing the saturation by 10% instead.

■ 37.7725, 59.6414,
37.1249

■ 37.7725, 59.6414,
37.1249

327.9408,
423.2747, 349.0359

■ 25.9826, 43.1297,
25.0077

■ 71.0655, 104.3093,
71.9533

■ 16.9432, 29.9869,
15.8637

■ 93.2992, 133.2342,
95.5016

■ 10.2891, 19.8286,
9.2744

■ 119.7449,
167.0657, 123.6973

■ 5.6548, 12.2705,
4.8214

■ 150.7680,
206.1881, 156.9589

■ 2.6750, 6.9282,
2.0859

186.7338,
250.9858, 195.7050

■ 0.9843, 3.4172,
0.6074

228.0076,

■ 0.0000, 1.3532,

301.8432, 240.3542

0.0000

274.9548,
359.1447, 291.3250

■ 0.0000, 0.1819,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7725, 59.6414,
37.1249

■ 37.7725, 59.6414,
37.1249

■ 34.6239, 58.1398,
31.5602

■ 41.7538, 61.5599,
43.4369

■ 32.2381, 57.0148,
26.7104


■ 46.6211, 63.9174,
50.5190


■ 30.5407, 56.2301,
22.5463


■ 52.4286, 66.7429,
58.3978


■ 29.4354, 55.7369,
19.0347


■ 59.2246, 70.0609,
67.0977

 29.1590, 55.6159,
18.0500

 67.0541, 73.8940,
76.6418

 75.9592, 78.2635,
87.0522

 85.2753, 82.8264,
98.3174

 86.7602, 83.4204,
106.1367

Harmonies

Analogous

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



44.7781, 59.6414, 21.7556



37.7725, 59.6414, 37.1249



35.6030, 59.6414, 67.0943

Triad

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



37.7725, 59.6414, 37.1249



57.4349, 59.6414, 163.0097



80.1098, 59.6414, 34.6394

Complementary

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



37.7725, 59.6414, 37.1249



44.0839, 28.2817, 45.2567

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.



84.7873, 59.6414, 62.8310



37.7725, 59.6414, 37.1249



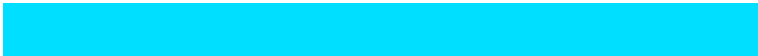
70.5405, 59.6414, 144.4819

Square

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



37.7725, 59.6414, 37.1249



45.8888, 59.6414, 148.1452



81.0507, 59.6414, 104.0208



69.0596, 59.6414, 20.7435

Rectangle

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



37.7725, 59.6414, 37.1249



36.8850, 59.6414, 94.4700



81.0507, 59.6414, 104.0208



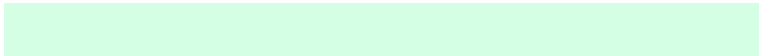
82.5480, 59.6414, 42.3097

Sweetspot

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



37.7740, 59.6438, 37.1263



76.8303, 91.0730, 87.0128



48.4283, 65.4900, 21.6441



16.0408, 19.2959, 18.1168



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.



37.7740, 59.6438, 37.1263



44.5080, 75.4172, 40.0065



44.1158, 62.1805, 70.5216



14.4147, 16.1793, 16.4485



17.0574, 32.4551, 10.8026



1.3046, 2.4160, 1.0304

Inverse Universe

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



44.0839, 28.2817, 45.2567



53.4272, 30.9144, 51.3723



39.1538, 26.3097, 19.2953



14.7509, 14.5175, 16.8885



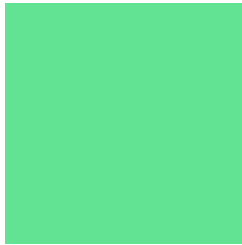
21.3277, 10.6653, 15.8864



1.6209, 0.8061, 1.4103

Previews

White Background



This preview shows how the XYZ color 37.7725, 59.6414, 37.1249 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 37.7725, 59.6414, 37.1249 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 37.7725, 59.6414, 37.1249

Background



This preview shows how black text looks on a background with the XYZ color 37.7725, 59.6414, 37.1249.

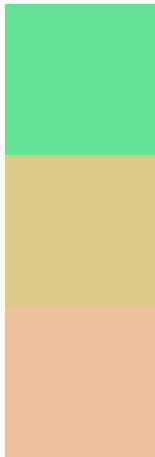


This preview shows how white text looks on a background with the XYZ color 37.7725, 59.6414,

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

37.7725, 59.6414, 37.1249

Protanopia

54.2440, 58.4563, 31.7168

Deuteranopia

59.5784, 58.3394, 39.1308



Tritanopia

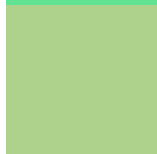
47.5755, 59.2632, 86.7733

Trichromacy



Original Color

37.7725, 59.6414, 37.1249



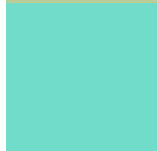
Protanomaly

45.2358, 56.9853, 33.4260



Deuteranomaly

47.7485, 56.3687, 38.0694



Tritanomaly

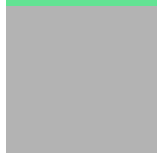
43.1933, 59.0281, 64.9941

Monochromacy



Original Color

37.7725, 59.6414, 37.1249



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

39.2927, 48.7539, 43.8987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7725, 59.6414, 37.1249 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(98, 227, 147)` looks like.

```
.text, #text, p{  
    color:rgb(98, 227, 147)  
}
```

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(98, 227, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 227, 147) }
```

Border

The CSS property to change the border of an element to XYZ 37.7725, 59.6414, 37.1249 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(98, 227, 147) }
```


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

```
.border{ border-color:rgb(98, 227, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 227, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 227, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 227, 147);  
box-shadow:4px 4px 4px 4px rgb(98, 227,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7725, 59.6414, 37.1249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 227, 147) }
```

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

```
.background{ background-color: rgb(98, 227,  
147) }
```

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