

Converting Colors

XYZ(25.5595, 37.9221, 16.6467)

Have a look what the booklet for
XYZ(25.5595, 37.9221, 16.6467)
contains.

XYZ(25.4304, 37.7088, 16.5279)	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(25.4304, 37.7088,
16.5279)**

Conversions

Conversions Part 1

Format	Color
Hex	70B65E
RGB	112, 182, 94
RGB Percent	44%, 71%, 37%
CMY	0.5608, 0.2863, 0.6314
CMYK	0.38, 0.00, 0.48, 0.29
HSL	108°, 38%, 54%
HSV	108°, 48%, 71%
XYZ	25.4304, 37.7088, 16.5279
YIQ	151.0380, -13.4720, -42.2080

Conversions

Conversions Part 2

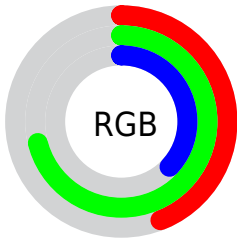
Format	Color
RYB	94, 182, 164
Decimal	7386718
CIELab	67.81, -39.04, 37.80
CIELCh	68, 54.346, 135.924
Yxy	37.7088, 0.3192, 0.4733
Android (android.graphics.Color)	4285576798 (0xFF70B65E)
YUV	151.0380, -28.1197, -34.2363
Hunter-Lab	61.4075, -33.5417, 27.0273

Details

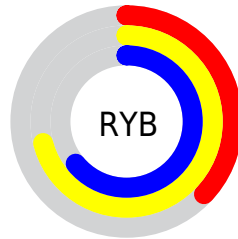
The XYZ color **25.4304, 37.7088, 16.5279** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **27.7579, 19.2766, 46.5158**, and the grayscale version is **29.5532, 31.0923, 33.8595**.

A 20% lighter version of the original color is **51.6992, 71.4399, 38.2586**, and **9.9377, 16.5273, 5.1489** is the 20% darker color. If you saturate the color by 10%, you get **23.0119, 36.5467, 12.6428**, and if you desaturate by 10%, it is **28.3396, 39.1039, 21.4427**.

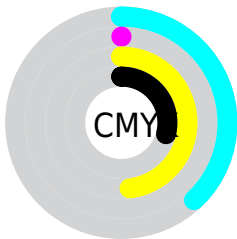
Distribution



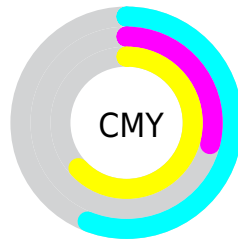
- Red (44%)
- Green (71%)
- Blue (37%)



- Red (37%)
- Yellow (71%)
- Blue (64%)



- Cyan (38%)
- Magenta (0%)
- Yellow (48%)
- Black (29%)





- Cyan (56%)
- Magenta (29%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.4304, 37.7088, 16.5279 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 25.4304, 37.7088, 16.5279 by changing the saturation by 10% instead.


 25.4304, 37.7088,
16.5279


 25.4304, 37.7088,
16.5279


272.2829,
336.3691, 244.3881


 16.5284, 25.7568,
9.7401

 51.7925, 71.6616,
38.2917


 9.9921, 16.6418,
5.1236


 69.9833, 94.4311,
54.1048

 5.4559, 9.9794,
2.2600


 92.0012, 121.5753,
73.7634

 2.5547, 5.3853,
0.7087

 118.2114,
153.4784, 97.6861

 0.9229, 2.4751,
0.0000

148.9793,
190.5250, 126.2914

 0.0000, 0.8641,
0.0000

184.6703,

 0.0000, 0.0000,

233.0994, 159.9977

0.0000

225.6497,
281.5860, 199.2238

■ 25.4304, 37.7088,
16.5279

■ 25.4304, 37.7088,
16.5279

■ 23.0119, 36.5467,
12.6428

■ 28.3396, 39.1039,
21.4427

■ 21.0535, 35.5999,
9.7119

■ 31.7622, 40.7389,
27.4506

■ 19.5252, 34.8560,
7.6533


■ 35.7231, 42.6264,
34.6131


■ 18.3920, 34.2990,
6.3703


■ 40.2444, 44.7765,
42.9859


■ 17.6051, 33.9074,
5.7031

■ 45.3471, 47.1991,
52.6217

 17.4997, 33.8549,
5.6123

 51.0511, 49.9032,
63.5696

 57.3753, 52.8976,
75.8763

 64.3378, 56.1907,
89.5861

 71.5009, 59.6084,
102.3448

Harmonies

Analogous

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



31.5836, 37.7088, 10.6784



25.4304, 37.7088, 16.5279



22.3286, 37.7088, 30.7901

Triad

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



25.4304, 37.7088, 16.5279



32.0489, 37.7088, 104.3841



53.7560, 37.7088, 29.6143

Complementary

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



25.4304, 37.7088, 16.5279



27.7579, 19.2766, 46.5158

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.



53.9331, 37.7088, 53.3884



25.4304, 37.7088, 16.5279



40.4650, 37.7088, 103.6655

Square

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



25.4304, 37.7088, 16.5279



25.7249, 37.7088, 84.1451



48.7640, 37.7088, 82.4524



48.3125, 37.7088, 15.9587

Rectangle

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



25.4304, 37.7088, 16.5279



22.0385, 37.7088, 46.0278



48.7640, 37.7088, 82.4524



54.4592, 37.7088, 36.4603

Sweetspot

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



25.4313, 37.7104, 16.5287



67.1911, 78.4334, 67.2130



34.3988, 36.9257, 15.9046



14.4741, 17.1492, 14.1712



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.4313, 37.7104, 16.5287



41.4708, 66.1363, 22.5359



24.6710, 37.1677, 23.3065



9.0574, 10.1462, 9.5879



12.4029, 23.9303, 3.9653



0.4882, 0.8699, 0.1422

Inverse Universe

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



27.7579, 19.2766, 46.5158



46.1272, 28.7197, 83.3480



29.3870, 20.3881, 34.3161



9.1962, 9.0675, 11.3449



14.2370, 6.6506, 31.7864



0.5480, 0.2582, 1.1227

Previews

White Background



This preview shows how the XYZ color 25.4304, 37.7088, 16.5279 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 25.4304, 37.7088, 16.5279 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 25.4304, 37.7088, 16.5279

Background



This preview shows how black text looks on a background with the XYZ color 25.4304, 37.7088, 16.5279.



This preview shows how white text looks on a background with the XYZ color 25.4304, 37.7088,

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

25.4304, 37.7088, 16.5279

Protanopia

34.2726, 37.4386, 14.6525

Deuteranopia

37.9104, 37.1762, 17.2342



Tritanopia

32.5175, 37.6394, 52.0057

Trichromacy



Original Color

25.4304, 37.7088, 16.5279



Protanomaly

30.1187, 36.9319, 15.2140



Deuteranomaly

31.7772, 36.3698, 16.9005



Tritanomaly

29.3011, 37.4882, 35.8286

Monochromacy



Original Color

25.4304, 37.7088, 16.5279



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.2661, 32.7707, 26.0074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4304, 37.7088, 16.5279 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(112, 182, 94)` looks like.

```
.text, #text, p{  
    color:rgb(112, 182, 94)  
}
```

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(112, 182, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 182, 94) }
```

Border

The CSS property to change the border of an element to XYZ 25.4304, 37.7088, 16.5279 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(112, 182, 94) }
```


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

```
.border{ border-color:rgb(112, 182, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 182, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 182, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 182, 94);  
box-shadow:4px 4px 4px 4px rgb(112, 182,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4304, 37.7088, 16.5279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 182, 94) }
```

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

```
.background{ background-color: rgb(112,  
182, 94) }
```

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