

Converting Colors

XYZ(24.6067, 37.7668, 18.0127)

Have a look what the booklet for
XYZ(24.6067, 37.7668, 18.0127)
contains.

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Color

**XYZ(24.6963, 37.9104,
18.0724)**

Conversions

Conversions Part 1

Format	Color
Hex	64B864
RGB	100, 184, 100
RGB Percent	39%, 72%, 39%
CMY	0.6078, 0.2784, 0.6078
CMYK	0.46, 0.00, 0.46, 0.28
HSL	120°, 37%, 56%
HSV	120°, 46%, 72%
XYZ	24.6963, 37.9104, 18.0724
YIQ	149.3080, -23.1000, -43.9320

Conversions

Conversions Part 2

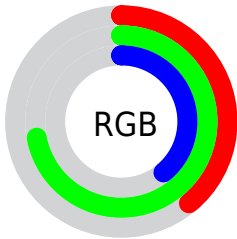
Format	Color
RYB	100, 184, 184
Decimal	6600804
CIELab	67.95, -42.82, 34.84
CIELCh	68, 55.198, 140.867
Yxy	37.9104, 0.3061, 0.4699
Android (android.graphics.Color)	4284790884 (0xFF64B864)
YUV	149.3080, -24.3088, -43.2431
Hunter-Lab	61.5714, -36.1536, 25.6972

Details

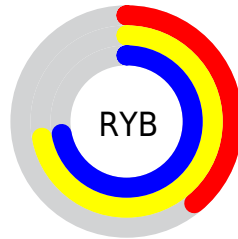
The XYZ color **24.6963, 37.9104, 18.0724** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **32.9773, 22.7661, 48.0049**, and the grayscale version is **28.8039, 30.3039, 33.0010**.

A 20% lighter version of the original color is **50.6404, 72.1462, 40.9623**, and **9.5764, 16.7179, 5.8541** is the 20% darker color. If you saturate the color by 10%, you get **22.0942, 36.6616, 13.8154**, and if you desaturate by 10%, it is **27.9611, 39.4798, 23.4118**.

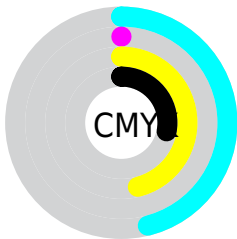
Distribution



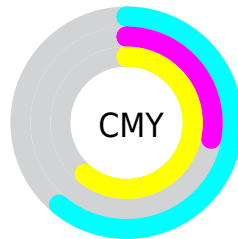
- Red (39%)
- Green (72%)
- Blue (39%)



- Red (39%)
- Yellow (72%)
- Blue (72%)



- Cyan (46%)
- Magenta (0%)
- Yellow (46%)
- Black (28%)



- Cyan (61%)
- Magenta (28%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6963, 37.9104, 18.0724 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 24.6963, 37.9104, 18.0724 by changing the saturation by 10% instead.

■ 24.6963, 37.9104,
18.0724

■ 24.6963, 37.9104,
18.0724

268.6977,
337.2355, 253.5286

■ 15.9785, 25.9132,
10.8320

■ 50.6106, 71.9708,
40.9763

■ 9.5997, 16.7587,
5.8412

■ 68.5377, 94.8027,
57.4768

■ 5.1946, 10.0626,
2.6816

■ 90.2653, 122.0150,
77.9011

■ 2.3978, 5.4405,
0.9341

■ 116.1587,
153.9920, 102.6678

■ 0.8440, 2.5080,
0.0000

146.5833,
191.1182, 132.1953

■ 0.0000, 0.8806,
0.0000

181.9044,

■ 0.0000, 0.0000,

233.7779, 166.9023

0.0000

222.4874,
282.3555, 207.2072

■ 24.6963, 37.9104,
18.0724

■ 24.6963, 37.9104,
18.0724

■ 22.0942, 36.6616,
13.8154

■ 27.9611, 39.4798,
23.4118

■ 20.1068, 35.7070,
10.5647

■ 31.9265, 41.3846,
29.8980

■ 18.6845, 35.0238,
8.2382


■ 36.6311, 43.6444,
37.5932

■ 17.7685, 34.5838,
6.7398


■ 42.1097, 46.2761,
46.5544


■ 17.2852, 34.3516,
5.9493

■ 48.3949, 49.2952,
56.8350

 17.1412, 34.2825,
5.7138

 55.5177, 52.7166,
68.4855

 63.5070, 56.5543,
81.5535

 72.3908, 60.8217,
96.0844

 76.4312, 62.7625,
102.6937

Harmonies

Analogous

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



30.4727, 37.9104, 11.0084



24.6963, 37.9104, 18.0724



22.0817, 37.9104, 34.2274

Triad

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



24.6963, 37.9104, 18.0724



33.4785, 37.9104, 107.6583



53.7401, 37.9104, 26.6385

Complementary

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



24.6963, 37.9104, 18.0724



32.9773, 22.7661, 48.0049

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.



54.8871, 37.9104, 49.2359



24.6963, 37.9104, 18.0724



42.2309, 37.9104, 102.9927

Square

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



24.6963, 37.9104, 18.0724



26.5961, 37.9104, 89.8108



50.3957, 37.9104, 78.8286



47.4729, 37.9104, 14.4150

Rectangle

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



24.6963, 37.9104, 18.0724



22.1443, 37.9104, 50.8365



50.3957, 37.9104, 78.8286



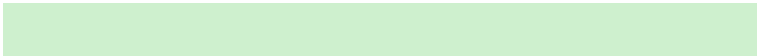
54.7724, 37.9104, 32.9996

Sweetspot

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



24.6972, 37.9120, 18.0732



67.7228, 79.7490, 70.3070



39.2096, 45.3934, 18.7521



14.1711, 16.9864, 14.4558



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.



24.6972, 37.9120, 18.0732



39.9395, 66.4032, 24.8623



27.2795, 38.9449, 31.6714



8.8904, 10.0601, 9.5802



11.8131, 23.6262, 3.9378



0.4164, 0.8329, 0.1388

Inverse Universe

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



32.9773, 22.7661, 48.0049



56.8651, 35.4428, 86.0472



29.2080, 21.2584, 28.1560



9.3810, 9.1628, 11.3536



19.5859, 9.4081, 32.0357



0.6905, 0.3317, 1.1293

Previews

White Background



This preview shows how the XYZ color 24.6963, 37.9104, 18.0724 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 24.6963, 37.9104, 18.0724 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 24.6963, 37.9104, 18.0724

Background



This preview shows how black text looks on a background with the XYZ color 24.6963, 37.9104, 18.0724.



This preview shows how white text looks on a background with the XYZ color 24.6963, 37.9104,

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

24.6963, 37.9104, 18.0724

Protanopia

34.4870, 37.5243, 15.7812

Deuteranopia

37.9472, 37.1603, 18.8083



Tritanopia

31.6844, 37.7545, 53.1944

Trichromacy



Original Color

24.6963, 37.9104, 18.0724



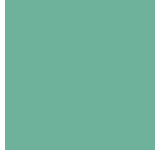
Protanomaly

29.8127, 37.0250, 16.6416



Deuteranomaly

31.2177, 36.3183, 18.4615



Tritanomaly

28.4767, 37.6206, 37.2131

Monochromacy



Original Color

24.6963, 37.9104, 18.0724



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

26.3771, 32.3046, 26.3179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6963, 37.9104, 18.0724 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(100, 184, 100)` looks like.

```
.text, #text, p{  
    color:rgb(100, 184, 100)  
}
```

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(100, 184, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 184, 100) }
```

Border

The CSS property to change the border of an element to XYZ 24.6963, 37.9104, 18.0724 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(100, 184, 100) }
```


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

```
.border{ border-color:rgb(100, 184, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 184, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 184, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 184, 100);  
box-shadow:4px 4px 4px 4px rgb(100, 184,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6963, 37.9104, 18.0724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 184, 100) }
```

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

```
.background{ background-color: rgb(100,  
184, 100) }
```

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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