

Converting Colors

XYZ(24.7054, 37.4248, 20.2073)

Have a look what the booklet for
XYZ(24.7054, 37.4248, 20.2073)
contains.

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Color

**XYZ(24.7859, 37.6023,
20.1390)**

Conversions

Conversions Part 1

Format	Color
Hex	63B76C
RGB	99, 183, 108
RGB Percent	39%, 72%, 42%
CMY	0.6118, 0.2823, 0.5765
CMYK	0.46, 0.00, 0.41, 0.28
HSL	126°, 37%, 55%
HSV	126°, 46%, 72%
XYZ	24.7859, 37.6023, 20.1390
YIQ	149.3340, -25.9890, -41.1330

Conversions

Conversions Part 2

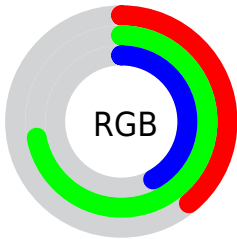
Format	Color
RYB	99, 175, 183
Decimal	6535020
CIELab	67.73, -41.45, 30.40
CIELCh	68, 51.404, 143.738
Yxy	37.6023, 0.3003, 0.4556
Android (android.graphics.Color)	4284725100 (0xFF63B76C)
YUV	149.3340, -20.3777, -44.1429
Hunter-Lab	61.3207, -35.1614, 23.4524

Details

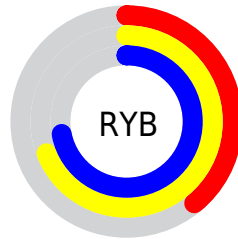
The XYZ color **24.7859, 37.6023, 20.1390** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **31.6315, 22.0478, 42.6344**, and the grayscale version is **28.7997, 30.2995, 32.9962**.

A 20% lighter version of the original color is **50.8317, 71.7283, 44.4235**, and **9.6359, 16.5299, 6.8204** is the 20% darker color. If you saturate the color by 10%, you get **22.2190, 36.3714, 15.8974**, and if you desaturate by 10%, it is **27.9707, 39.1351, 25.2619**.

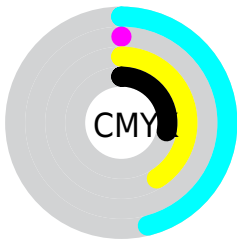
Distribution



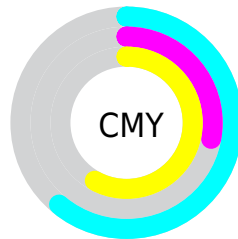
- Red (39%)
- Green (72%)
- Blue (42%)



- Red (39%)
- Yellow (69%)
- Blue (72%)



- Cyan (46%)
- Magenta (0%)
- Yellow (41%)
- Black (28%)



- Cyan (61%)
- Magenta (28%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7859, 37.6023, 20.1390 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 24.7859, 37.6023, 20.1390 by changing the saturation by 10% instead.

■ 24.7859, 37.6023,
20.1390

■ 24.7859, 37.6023,
20.1390

269.1374,
335.9109, 265.2957

■ 16.0455, 25.6742,
12.3110

■ 50.7551, 71.4982,
44.5121

■ 9.6474, 16.5800,
6.8308

■ 68.7146, 94.2347,
61.8944

■ 5.2263, 9.9355,
3.2797

■ 90.4778, 121.3428,
83.2985

■ 2.4167, 5.3562,
1.2391

■ 116.4101,
153.2069, 109.1430

■ 0.8535, 2.4578,
0.0111

146.8769,
190.2113, 139.8464

■ 0.0000, 0.8554,
0.0000

182.2434,

■ 0.0000, 0.0000,

232.7405, 175.8273

0.0000

222.8751,
281.1789, 217.5042

■ 24.7859, 37.6023,
20.1390

■ 24.7859, 37.6023,
20.1390

■ 22.2190, 36.3714,
15.8974

■ 27.9707, 39.1351,
25.2619

■ 20.2271, 35.4180,
12.4850

■ 31.8071, 40.9830,
31.3092

■ 18.7662, 34.7217,
9.8483


■ 36.3297, 43.1639,
38.3243


■ 17.7846, 34.2572,
7.9264


■ 41.5698, 45.6931,
46.3469


■ 17.2179, 33.9927,
6.6490


■ 47.5568, 48.5850,
55.4147

 17.0570, 33.9175,
6.2914

 54.3185, 51.8532,
65.5633

 61.8812, 55.5105,
76.8268

 70.2700, 59.5690,
89.2377

 76.2242, 62.3484,
102.6247

Harmonies

Analogous

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



29.9378, 37.6023, 12.5380



24.7859, 37.6023, 20.1390



22.6070, 37.6023, 36.3550

Triad

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



24.7859, 37.6023, 20.1390



34.0999, 37.6023, 101.6239



51.6216, 37.6023, 25.7388

Complementary

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



24.7859, 37.6023, 20.1390



31.6315, 22.0478, 42.6344

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.



53.1714, 37.6023, 45.9006



24.7859, 37.6023, 20.1390



42.2470, 37.6023, 95.4480

Square

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



24.7859, 37.6023, 20.1390



27.4466, 37.6023, 87.3041



49.5223, 37.6023, 72.6432



45.5551, 37.6023, 14.8326

Rectangle

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



24.7859, 37.6023, 20.1390



22.8628, 37.6023, 52.2328



49.5223, 37.6023, 72.6432



52.7220, 37.6023, 31.4090

Sweetspot

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



24.7868, 37.6039, 20.1398



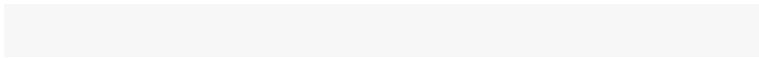
66.5400, 78.0152, 70.9080



36.7767, 43.8374, 18.3279



14.2775, 17.0289, 15.0162



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.



24.7868, 37.6039, 20.1398



39.7895, 65.1365, 28.4661



27.5370, 38.7039, 34.6219



8.9284, 10.0753, 9.7805



11.9117, 23.6656, 4.4569



0.4329, 0.8395, 0.2255

Inverse Universe

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



31.6315, 22.0478, 42.6344



53.5463, 33.8241, 73.6420



28.1975, 20.6742, 24.5509



9.3384, 9.1457, 11.1292



18.2751, 8.8838, 25.1330



0.6562, 0.3180, 0.9490

Previews

White Background



This preview shows how the XYZ color 24.7859, 37.6023, 20.1390 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 24.7859, 37.6023, 20.1390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

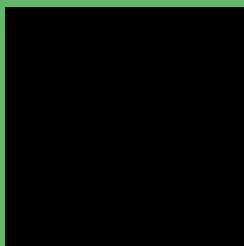
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.7859, 37.6023, 20.1390

Background



This preview shows how black text looks on a background with the XYZ color 24.7859, 37.6023, 20.1390.



This preview shows how white text looks on a background with the XYZ color 24.7859, 37.6023,

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

24.7859, 37.6023, 20.1390

Protanopia

34.2148, 37.0742, 17.6646

Deuteranopia

37.8592, 37.0646, 21.0784



Tritanopia

31.4156, 37.6159, 53.1818

Trichromacy



Original Color

24.7859, 37.6023, 20.1390



Protanomaly

29.6393, 36.6093, 18.6009



Deuteranomaly

31.2588, 36.0194, 20.6342



Tritanomaly

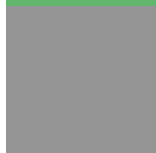
28.4106, 37.2625, 38.4959

Monochromacy



Original Color

24.7859, 37.6023, 20.1390



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

26.4080, 32.0363, 27.3460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7859, 37.6023, 20.1390 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(99, 183, 108)` looks like.

```
.text, #text, p{  
    color:rgb(99, 183, 108)  
}
```

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(99, 183, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 183, 108) }
```

Border

The CSS property to change the border of an element to XYZ 24.7859, 37.6023, 20.1390 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(99, 183, 108) }
```


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

```
.border{ border-color:rgb(99, 183, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 183, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 183, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 183, 108);  
box-shadow:4px 4px 4px 4px rgb(99, 183,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7859, 37.6023, 20.1390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 183, 108) }
```

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

```
.background{ background-color: rgb(99, 183,  
108) }
```

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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