

Converting Colors

XYZ(23.9687, 40.6109, 6.6088)

Have a look what the booklet for
XYZ(23.9687, 40.6109, 6.6088)
contains.

XYZ(24.0052, 40.6835, 6.6162)	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(24.0052, 40.6835,
6.6162)**

Conversions

Conversions Part 1

Format	Color
Hex	61C101
RGB	97, 193, 1
RGB Percent	38%, 76%, 0%
CMY	0.6196, 0.2431, 0.9960
CMYK	0.50, 0.00, 0.99, 0.24
HSL	90°, 99%, 38%
HSV	90°, 99%, 76%
XYZ	24.0052, 40.6835, 6.6162
YIQ	142.4080, 4.4160, -80.0640

Conversions

Conversions Part 2

Format	Color
R_{YB}	1, 193, 97
Decimal	6406401
CIE Lab	69.95, -54.44, 69.57
CIE LCh	70, 88.335, 128.044
Yxy	40.6835, 0.3367, 0.5706
Android (android.graphics.Color)	4284596481 (0xFF61C101)
YUV	142.4080, -69.7141, -39.8228
Hunter-Lab	63.7836, -44.4422, 38.4985

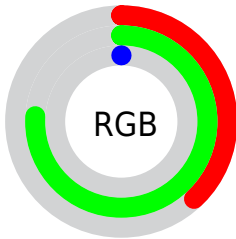
Details

The XYZ color **24.0052, 40.6835, 6.6162** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **14.5696, 6.4153, 50.9247**, and the grayscale version is **26.1418, 27.5032, 29.9510**.

A 20% lighter version of the original color is **49.3439, 76.0183, 19.6617**, and **9.5405, 18.4100, 3.0506** is the 20% darker color. If you saturate the color by 10%, you get **23.9463, 40.6551, 6.5851**, and if you desaturate by 10%, it is **25.2215, 41.2975, 7.3188**.

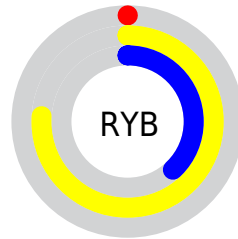
Distribution



Red (38%)

Green (76%)

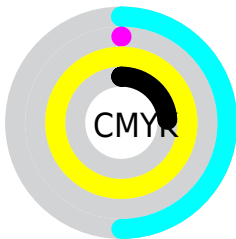
Blue (0%)



Red (0%)

Yellow (76%)

Blue (38%)

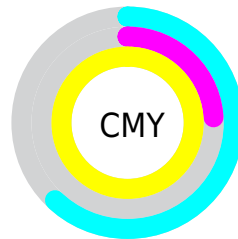


Cyan (50%)

Magenta (0%)

Yellow (99%)

Black (24%)



Cyan (62%)


Magenta (24%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0052, 40.6835, 6.6162 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 24.0052, 40.6835, 6.6162 by changing the saturation by 10% instead.


 24.0052, 40.6835,
6.6162


 24.0052, 40.6835,
6.6162


265.2868,
348.9961, 173.9435


 15.4622, 28.0719,
3.1485


 49.4933, 76.2032,
19.6964


 9.2329, 18.3798,
1.1709

 67.1691, 99.8801,
30.1459


 4.9517, 11.2230,
0.0000


 88.6200, 128.0141,
43.7598

 2.2534, 6.2171,
0.0000

 114.2112,
160.9897, 60.9566

 0.7707, 2.9775,
0.0000

 144.3081,
199.1914, 82.1548

 0.0000, 1.1200,
0.0000

 179.2761,

 0.0000, 0.0000,

243.0034, 107.7730

0.0000

219.4805,
292.8101, 138.2297

■ 24.0052, 40.6835,
6.6162

■ 24.0052, 40.6835,
6.6162

■ 23.9463, 40.6551,
6.5851

■ 25.2215, 41.2975,
7.3188

■ 26.6902, 42.0261,
8.6790

■ 28.4556, 42.8887,
10.9056

■ 30.5433, 43.8962,
14.1126

■ 32.9753, 45.0576,
18.3964

■ 35.7713, 46.3813,
23.8422

■ 38.9492, 47.8749,
30.5265

■ 42.5256, 49.5454,
38.5191

■ 46.5159, 51.3994,
47.8849

Harmonies

Analogous

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



34.9259, 40.6835, 3.0485



24.0052, 40.6835, 6.6162



18.2703, 40.6835, 20.7902

Triad

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



24.0052, 40.6835, 6.6162



29.2213, 40.6835, 165.8648



73.0295, 40.6835, 34.1122

Complementary

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



24.0052, 40.6835, 6.6162



14.5696, 6.4153, 50.9247

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.



70.4120, 40.6835, 81.0065



24.0052, 40.6835, 6.6162



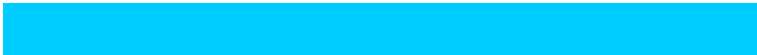
42.6692, 40.6835, 178.1301

Square

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



24.0052, 40.6835, 6.6162



20.7201, 40.6835, 113.2406



58.3407, 40.6835, 140.5479



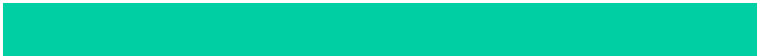
64.7971, 40.6835, 11.2177

Rectangle

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



24.0052, 40.6835, 6.6162



17.0895, 40.6835, 41.6478



58.3407, 40.6835, 140.5479



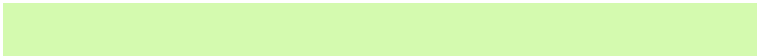
73.4213, 40.6835, 47.0571

Sweetspot

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



24.0061, 40.6852, 6.6171



69.1553, 85.4595, 53.3719



26.2747, 19.8919, 2.4840



14.3054, 18.0848, 10.3200



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.0061, 40.6852, 6.6171



42.6023, 72.6641, 11.7802



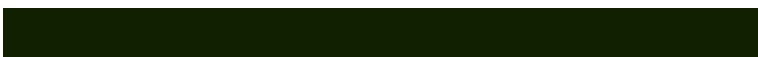
19.0892, 38.1505, 6.3870



10.4134, 11.5006, 10.7329



16.0187, 27.0868, 4.3840



0.7716, 1.2113, 0.1931

Inverse Universe

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



14.5696, 6.4153, 50.9247



25.6922, 11.2533, 91.1783



31.6305, 15.2106, 51.7232



9.9974, 9.9898, 12.6861



9.7389, 4.2810, 33.8696



0.5003, 0.2260, 1.4671

Previews

White Background



This preview shows how the XYZ color 24.0052, 40.6835, 6.6162 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 24.0052, 40.6835, 6.6162 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 24.0052, 40.6835, 6.6162

Background



This preview shows how black text looks on a background with the XYZ color 24.0052, 40.6835, 6.6162.



This preview shows how white text looks on a background with the XYZ color 24.0052, 40.6835,

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

24.0052, 40.6835, 6.6162

Protanopia

36.1130, 39.9559, 5.8089

Deuteranopia

40.8426, 39.9324, 7.4745



Tritanopia

34.0261, 40.3462, 57.0332

Trichromacy



Original Color

24.0052, 40.6835, 6.6162



Protanomaly

29.8250, 39.0089, 5.9575



Deuteranomaly

31.9136, 38.6153, 6.6912



Tritanomaly

27.7180, 39.3136, 25.1962

Monochromacy



Original Color

24.0052, 40.6835, 6.6162



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.2374, 30.6807, 14.5948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0052, 40.6835, 6.6162 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(97, 193, 1)` looks like.

```
.text, #text, p{  
    color:rgb(97, 193, 1)  
}
```

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(97, 193, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 193, 1) }
```

Border

The CSS property to change the border of an element to XYZ 24.0052, 40.6835, 6.6162 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(97, 193, 1) }
```


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

```
.border{ border-color:rgb(97, 193, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 193, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 193, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 193, 1);  
box-shadow:4px 4px 4px 4px rgb(97, 193, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.0052, 40.6835, 6.6162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 193, 1) }
```

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

```
.background{ background-color: rgb(97, 193,  
1) }
```

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