

Converting Colors

XYZ(23.9233, 40.4579, 23.1435)

Have a look what the booklet for
XYZ(23.9233, 40.4579, 23.1435)
contains.

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Color

**XYZ(24.0197, 40.6568,
23.1046)**

Conversions

Conversions Part 1

Format	Color
Hex	37C274
RGB	55, 194, 116
RGB Percent	22%, 76%, 45%
CMY	0.7843, 0.2392, 0.5451
CMYK	0.72, 0.00, 0.40, 0.24
HSL	146°, 56%, 49%
HSV	146°, 72%, 76%
XYZ	24.0197, 40.6568, 23.1046
YIQ	143.5470, -57.8060, -53.7260

Conversions

Conversions Part 2

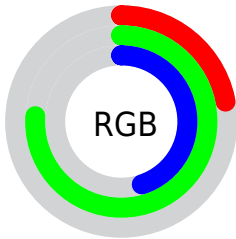
Format	Color
RYB	55, 152, 194
Decimal	3654260
CIELab	69.93, -54.29, 28.87
CIELCh	70, 61.492, 151.997
Yxy	40.6568, 0.2736, 0.4632
Android (android.graphics.Color)	4281844340 (0xFF37C274)
YUV	143.5470, -13.5807, -77.6557
Hunter-Lab	63.7627, -44.3429, 23.1500

Details

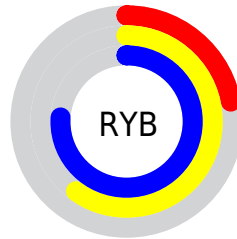
The XYZ color **24.0197, 40.6568, 23.1046** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **27.8492, 15.8959, 23.7918**, and the grayscale version is **26.3975, 27.7722, 30.2439**.

A 20% lighter version of the original color is **49.7176, 76.4784, 49.6775**, and **10.2457, 18.8705, 8.4126** is the 20% darker color. If you saturate the color by 10%, you get **22.5621, 39.9754, 19.9227**, and if you desaturate by 10%, it is **25.9712, 41.5864, 26.6989**.

Distribution



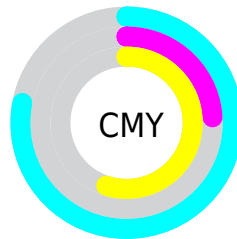
- Red (22%)
- Green (76%)
- Blue (45%)



- Red (22%)
- Yellow (60%)
- Blue (76%)



- Cyan (72%)
- Magenta (0%)
- Yellow (40%)
- Black (24%)





- Cyan (78%)
- Magenta (24%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0197, 40.6568, 23.1046 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 24.0197, 40.6568, 23.1046 by changing the saturation by 10% instead.


 24.0197, 40.6568,
23.1046


 24.0197, 40.6568,
23.1046


265.3587,
348.8842, 281.4011


 15.4731, 28.0510,
14.4647


 49.5168, 76.1626,
49.4904


 9.2405, 18.3641,
8.3022

 67.1979, 99.8315,
68.0734


 4.9568, 11.2117,
4.1984


 88.6546, 127.9568,
90.8079

 2.2564, 6.2094,
1.7348

 114.2522,
160.9229, 118.1124

 0.7722, 2.9728,
0.3844

 144.3561,
199.1144, 150.4054

 0.0000, 1.1176,
0.0000

179.3315,

 0.0000, 0.0000,

242.9155, 188.1055

0.0000

219.5439,
292.7106, 231.6312

■ 24.0197, 40.6568,
23.1046

■ 24.0197, 40.6568,
23.1046

■ 22.5621, 39.9754,
19.9227

■ 25.9712, 41.5864,
26.6989

■ 21.5404, 39.5094,
17.1344

■ 28.4596, 42.7829,
30.7175

■ 20.9378, 39.2432,
15.0943

■ 31.5266, 44.2685,
35.1755

■ 35.2086, 46.0618,
40.0861

■ 39.5391, 48.1797,
45.4620

■ 44.5488, 50.6379,
51.3154

■ 50.2667, 53.4512,
57.6580

■ 56.7200, 56.6332,
64.5010

■ 63.9342, 60.1969,
71.8553

Harmonies

Analogous

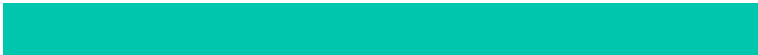
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.3161, 40.6568, 12.0466



24.0197, 40.6568, 23.1046



22.4238, 40.6568, 46.2166

Triad

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



24.0197, 40.6568, 23.1046



39.3175, 40.6568, 125.3595



57.3707, 40.6568, 21.0148

Complementary

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



24.0197, 40.6568, 23.1046



27.8492, 15.8959, 23.7918

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.



61.2446, 40.6568, 42.3756



24.0197, 40.6568, 23.1046



49.7641, 40.6568, 109.3960

Square

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



24.0197, 40.6568, 23.1046



30.2929, 40.6568, 112.9439



58.2477, 40.6568, 75.5180



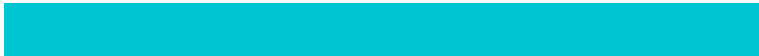
48.4020, 40.6568, 11.2580

Rectangle

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



24.0197, 40.6568, 23.1046



23.4043, 40.6568, 68.2884



58.2477, 40.6568, 75.5180



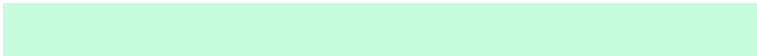
59.3754, 40.6568, 26.6667

Sweetspot

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



24.0207, 40.6584, 23.1055



71.8998, 87.4171, 82.6844



29.7770, 43.9104, 10.5208



15.2321, 18.8921, 17.4854



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.



24.0207, 40.6584, 23.1055



39.7277, 71.8955, 33.1212



29.5974, 42.8891, 52.4719



10.1239, 11.3306, 11.6559



13.8052, 25.8161, 10.1330



0.6311, 1.1293, 0.6199

Inverse Universe

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



27.8492, 15.8959, 23.7918



47.0198, 24.4422, 34.2154



24.5484, 14.5756, 6.4102



10.3045, 10.1704, 11.6942



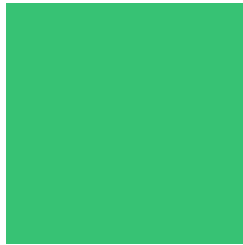
16.4793, 8.2815, 10.4361



0.7462, 0.3715, 0.6308

Previews

White Background



This preview shows how the XYZ color 24.0197, 40.6568, 23.1046 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 24.0197, 40.6568, 23.1046 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 24.0197, 40.6568, 23.1046

Background



This preview shows how black text looks on a background with the XYZ color 24.0197, 40.6568, 23.1046.



This preview shows how white text looks on a background with the XYZ color 24.0197, 40.6568,

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

24.0197, 40.6568, 23.1046

Protanopia

36.9838, 40.1043, 19.4273

Deuteranopia

40.5829, 39.6882, 24.2605



Tritanopia

31.3798, 40.4307, 60.1829

Trichromacy



Original Color

24.0197, 40.6568, 23.1046



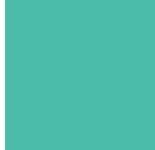
Protanomaly

29.4158, 38.7693, 20.6847



Deuteranomaly

30.7390, 37.9241, 23.4693



Tritanomaly

28.0463, 40.3269, 43.8418

Monochromacy



Original Color

24.0197, 40.6568, 23.1046



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.9055, 31.0066, 27.2792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0197, 40.6568, 23.1046 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(55, 194, 116)` looks like.

```
.text, #text, p{  
    color:rgb(55, 194, 116)  
}
```

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(55, 194, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 194, 116) }
```

Border

The CSS property to change the border of an element to XYZ 24.0197, 40.6568, 23.1046 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(55, 194, 116) }
```


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

```
.border{ border-color:rgb(55, 194, 116) }
```

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

Here you see how a box with a 4 pixel rgb(55, 194, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 194, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 194, 116);  
box-shadow:4px 4px 4px 4px rgb(55, 194,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0197, 40.6568, 23.1046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 194, 116) }
```

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

```
.background{ background-color: rgb(55, 194,  
116) }
```

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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