

Converting Colors

XYZ(23.8094, 42.6730, 18.9268)

Have a look what the booklet for
XYZ(23.8094, 42.6730, 18.9268)
contains.

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Color

**XYZ(23.8296, 42.6798,
19.0387)**

Conversions

Conversions Part 1

Format	Color
Hex	28C864
RGB	40, 200, 100
RGB Percent	16%, 78%, 39%
CMY	0.8431, 0.2157, 0.6078
CMYK	0.80, 0.00, 0.50, 0.22
HSL	143°, 67%, 47%
HSV	143°, 80%, 78%
XYZ	23.8296, 42.6798, 19.0387
YIQ	140.7600, -63.2600, -65.0200

Conversions

Conversions Part 2

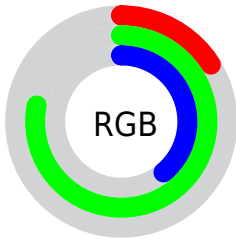
Format	Color
RYB	40, 156, 200
Decimal	2672740
CIELab	71.34, -61.17, 38.74
CIELCh	71, 72.410, 147.652
Yxy	42.6798, 0.2786, 0.4989
Android (android.graphics.Color)	4280862820 (0xFF28C864)
YUV	140.7600, -20.0947, -88.3665
Hunter-Lab	65.3298, -49.2177, 28.4523

Details

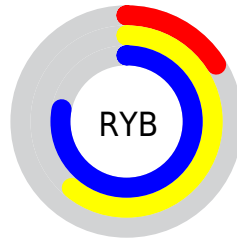
The XYZ color **23.8296, 42.6798, 19.0387** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **29.3131, 15.6911, 26.2958**, and the grayscale version is **25.3183, 26.6368, 29.0075**.

A 20% lighter version of the original color is **48.3198, 77.3306, 42.5166**, and **10.5490, 20.1768, 6.3561** is the 20% darker color. If you saturate the color by 10%, you get **22.6846, 42.1553, 16.0661**, and if you desaturate by 10%, it is **25.4715, 43.4521, 22.5211**.

Distribution



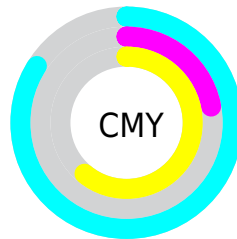
- Red (16%)
- Green (78%)
- Blue (39%)



- Red (16%)
- Yellow (61%)
- Blue (78%)



- Cyan (80%)
- Magenta (0%)
- Yellow (50%)
- Black (22%)





- Cyan (84%)
- Magenta (22%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8296, 42.6798, 19.0387 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 23.8296, 42.6798, 19.0387 by changing the saturation by 10% instead.


 23.8296, 42.6798,
19.0387


 23.8296, 42.6798,
19.0387


264.4144,
357.2933, 259.0922


 15.3313, 29.6340,
11.5211


 49.2087, 79.2274,
42.6371


 9.1401, 19.5609,
6.3000


 66.8202, 103.4980,
59.5549


 4.8905, 12.0763,
2.9566


 88.2002, 132.2790,
80.4433

 2.2173, 6.7957,
1.0725

 113.7140,
165.9547, 105.7208

 0.7518, 3.3346,
0.0000

 143.7269,
204.9096, 135.8059

 0.0000, 1.3088,
0.0000

178.6044,

 0.0000, 0.1480,

249.5281, 171.1171

0.0000

218.7118,
300.1945, 212.0730

■ 0.0000, 0.0000,
0.0000

■ 23.8296, 42.6798,
19.0387

■ 23.8296, 42.6798,
19.0387

■ 22.6846, 42.1553,
16.0661

■ 25.4715, 43.4521,
22.5211

■ 21.9252, 41.8183,
13.5732


■ 27.6655, 44.4966,
26.5337


■ 21.9252, 41.8182,
13.5730


■ 30.4626, 45.8404,
31.0993


■ 33.9067, 47.5057,
36.2382

■ 38.0375, 49.5126,
41.9699

 42.8915, 51.8796,
48.3127

 48.5024, 54.6236,
55.2844

 54.9018, 57.7606,
62.9017

 62.1194, 61.3057,
71.1809

Harmonies

Analogous

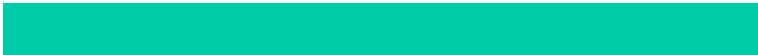
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.6429, 42.6798, 8.7911



23.8296, 42.6798, 19.0387



21.3842, 42.6798, 43.7787

Triad

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



23.8296, 42.6798, 19.0387



39.6146, 42.6798, 150.7920



65.0338, 42.6798, 21.7847

Complementary

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



23.8296, 42.6798, 19.0387



29.3131, 15.6911, 26.2958

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.



68.7375, 42.6798, 49.2716



23.8296, 42.6798, 19.0387



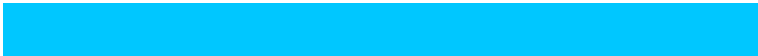
52.4285, 42.6798, 134.7382

Square

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



23.8296, 42.6798, 19.0387



29.2859, 42.6798, 129.2313



63.7292, 42.6798, 92.3614



54.4238, 42.6798, 9.7274

Rectangle

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



23.8296, 42.6798, 19.0387



22.0985, 42.6798, 69.9087



63.7292, 42.6798, 92.3614



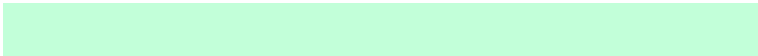
67.2103, 42.6798, 28.9622

Sweetspot

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



23.8307, 42.6815, 19.0397



70.4487, 87.9596, 78.7402



32.0800, 47.1557, 9.4189



14.4404, 18.5157, 16.0138



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.



23.8307, 42.6815, 19.0397



38.2860, 72.5451, 24.5551



29.6336, 45.0027, 49.5976



10.6592, 11.9526, 12.1557



13.9804, 26.6045, 8.8415



0.6970, 1.2737, 0.6031

Inverse Universe

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



29.3131, 15.6911, 26.2958



47.9795, 24.1329, 36.8736



25.4306, 14.1381, 5.8510



10.9079, 10.7466, 12.4984



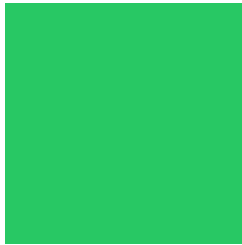
17.5435, 8.7670, 13.3379



0.8650, 0.4288, 0.8121

Previews

White Background



This preview shows how the XYZ color 23.8296, 42.6798, 19.0387 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 23.8296, 42.6798, 19.0387 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 23.8296, 42.6798, 19.0387

Background



This preview shows how black text looks on a background with the XYZ color 23.8296, 42.6798, 19.0387.



This preview shows how white text looks on a background with the XYZ color 23.8296, 42.6798,

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

23.8296, 42.6798, 19.0387

Protanopia

38.3178, 41.7188, 15.9305

Deuteranopia

42.5099, 41.5697, 20.2512



Tritanopia

32.7528, 42.6396, 63.6308

Trichromacy



Original Color

23.8296, 42.6798, 19.0387



Protanomaly

29.1072, 39.9094, 16.7588



Deuteranomaly

30.7347, 39.1773, 19.5778



Tritanomaly

28.3368, 42.1220, 42.7133

Monochromacy



Original Color

23.8296, 42.6798, 19.0387



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.3951, 30.2901, 24.4049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8296, 42.6798, 19.0387 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(40, 200, 100)` looks like.

```
.text, #text, p{  
    color:rgb(40, 200, 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(40, 200, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 200, 100) }
```

Border

The CSS property to change the border of an element to XYZ 23.8296, 42.6798, 19.0387 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(40, 200, 100) }
```


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

```
.border{ border-color:rgb(40, 200, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 200, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 200, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 200, 100);  
box-shadow:4px 4px 4px 4px rgb(40, 200,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8296, 42.6798, 19.0387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 200, 100) }
```

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

```
.background{ background-color: rgb(40, 200,  
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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