

Converting Colors

XYZ(18.4791, 23.2895, 41.8603)

Have a look what the booklet for
XYZ(18.4791, 23.2895, 41.8603)
contains.

XYZ(18.4885, 23.2633, 42.0439)	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(18.4885, 23.2633,
42.0439)**

Conversions

Conversions Part 1

Format	Color
Hex	328FAB
RGB	50, 143, 171
RGB Percent	20%, 56%, 67%
CMY	0.8039, 0.4392, 0.3294
CMYK	0.71, 0.16, 0.00, 0.33
HSL	194°, 55%, 43%
HSV	194°, 71%, 67%
XYZ	18.4885, 23.2633, 42.0439
YIQ	118.3850, -64.4160, -11.0080

Conversions

Conversions Part 2

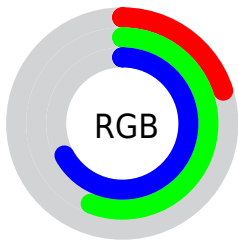
Format	Color
RYB	50, 103, 171
Decimal	3313579
CIELab	55.34, -17.80, -22.63
CIELCh	55, 28.798, 231.811
Yxy	23.2633, 0.2206, 0.2776
Android (android.graphics.Color)	4281503659 (0xFF328FAB)
YUV	118.3850, 25.9392, -59.9736
Hunter-Lab	48.2320, -15.9827, -17.9207

Details

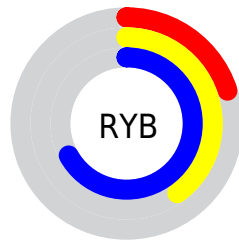
The XYZ color **18.4885, 23.2633, 42.0439** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.0954, 14.3379, 4.7267**, and the grayscale version is **17.2771, 18.1769, 19.7946**.

A 20% lighter version of the original color is **40.3758, 48.8682, 79.2560**, and **7.2441, 9.1606, 18.8391** is the 20% darker color. If you saturate the color by 10%, you get **17.2141, 21.7404, 41.8176**, and if you desaturate by 10%, it is **20.1002, 24.9921, 42.2931**.

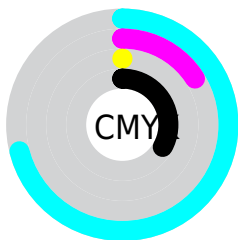
Distribution



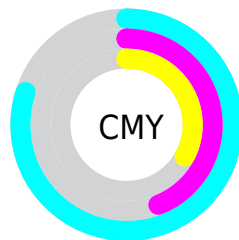
- Red (20%)
- Green (56%)
- Blue (67%)



- Red (20%)
- Yellow (40%)
- Blue (67%)



- Cyan (71%)
- Magenta (16%)
- Yellow (0%)
- Black (33%)



- Cyan (80%)
- Magenta (44%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4885, 23.2633, 42.0439 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 18.4885, 23.2633, 42.0439 by changing the saturation by 10% instead.

■ 18.4885, 23.2633,
42.0439

■ 18.4885, 23.2633,
42.0439

236.6029,
269.0745, 370.4699

■ 11.4031, 14.7880,
28.8098

■ 40.3916, 48.8253,
79.5369

■ 6.4079, 8.6708,
18.6927

■ 55.9399, 66.6808,
104.6329

■ 3.1377, 4.5271,
11.2739

■ 75.0400, 88.4319,
134.5199

■ 1.2270, 1.9725,
6.1349

■ 98.0571, 114.4630,
169.6166

■ 0.1275, 0.5914,
2.8571

■ 125.3565,
145.1584, 210.3413

■ 0.0000, 0.0000,
1.0222

157.3038,

■ 0.0000, 0.0000,

180.9025, 257.1128

0.0000

194.2641,
222.0797, 310.3495

■ 18.4885, 23.2633,
42.0439

■ 18.4885, 23.2633,
42.0439

■ 17.2141, 21.7404,
41.8176

■ 20.1002, 24.9921,
42.2931

■ 16.2374, 20.4013,
41.6106

■ 22.0786, 26.9409,
42.5650

■ 15.5250, 19.2887,
41.4334

■ 24.4523, 29.1253,
42.8615

■ 27.2464, 31.5584,
43.1839

■ 30.4837, 34.2523,
43.5332

■ 34.1856, 37.2184,
43.9106

■ 38.3717, 40.4670,
44.3170

■ 43.0608, 44.0080,
44.7534

■ 48.2704, 47.8510,
45.2206

Harmonies

Analogous

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



16.8306, 23.2633, 32.5316



18.4885, 23.2633, 42.0439



21.2380, 23.2633, 47.3352

Triad

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



18.4885, 23.2633, 42.0439



28.8473, 23.2633, 27.9493



19.8824, 23.2633, 12.1426

Complementary

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



18.4885, 23.2633, 42.0439



20.0954, 14.3379, 4.7267

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.



23.0078, 23.2633, 11.4859



18.4885, 23.2633, 42.0439



28.3944, 23.2633, 19.2780

Square

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



18.4885, 23.2633, 42.0439



27.3618, 23.2633, 37.9981



26.1784, 23.2633, 13.7619



17.5791, 23.2633, 15.8458

Rectangle

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



18.4885, 23.2633, 42.0439



23.4071, 23.2633, 47.0396



26.1784, 23.2633, 13.7619



20.8638, 23.2633, 11.6015

Sweetspot

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



18.4893, 23.2641, 42.0445



54.2141, 61.0330, 77.9250



17.1910, 30.3293, 11.8261



11.7295, 13.3143, 17.3394



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.4893, 23.2641, 42.0445



29.7637, 37.5195, 74.6752



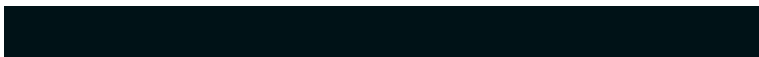
11.8592, 10.0041, 39.8345



8.0768, 8.7531, 10.2165



11.7447, 14.6233, 31.2481



0.3647, 0.4827, 0.8819

Inverse Universe

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



22.8938, 12.9230, 27.2752



38.6872, 19.8320, 44.0207



26.2764, 26.7000, 6.7871



8.2566, 8.1159, 9.6620



15.7918, 7.7793, 17.0811



0.4585, 0.2241, 0.5760

Previews

White Background



This preview shows how the XYZ color 18.4885, 23.2633, 42.0439 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4885, 23.2633, 42.0439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

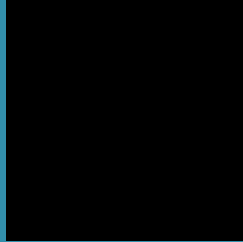
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4885, 23.2633, 42.0439

Background



This preview shows how black text looks on a background with the XYZ color 18.4885, 23.2633, 42.0439.

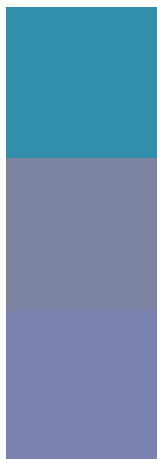


This preview shows how white text looks on a background with the XYZ color 18.4885, 23.2633,

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

18.4885, 23.2633, 42.0439

Protanopia

22.8164, 22.8590, 37.3921

Deuteranopia

23.5078, 23.0862, 43.2615



Tritanopia

17.1257, 23.1565, 35.4653

Trichromacy



Original Color

18.4885, 23.2633, 42.0439

Protanomaly

20.3853, 22.5859, 38.8824

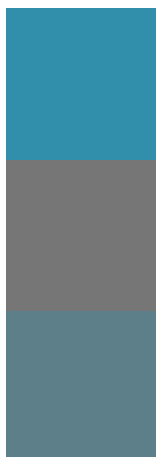
Deuteranomaly

20.9261, 22.7780, 42.8288

Tritanomaly

17.5336, 23.0906, 37.7152

Monochromacy



Original Color

18.4885, 23.2633, 42.0439

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.6189, 19.3120, 26.5186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4885, 23.2633, 42.0439 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(50, 143, 171)` looks like.

```
.text, #text, p{  
    color:rgb(50, 143, 171)  
}
```

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(50, 143, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 143, 171) }
```

Border

The CSS property to change the border of an element to XYZ 18.4885, 23.2633, 42.0439 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(50, 143, 171) }
```


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

```
.border{ border-color:rgb(50, 143, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 143, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 143, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 143, 171);  
box-shadow:4px 4px 4px 4px rgb(50, 143,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4885, 23.2633, 42.0439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 143, 171) }
```

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

```
.background{ background-color: rgb(50, 143,  
171) }
```

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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