

Converting Colors

XYZ(19.2340, 24.3434, 48.4442)

Have a look what the booklet for
XYZ(19.2340, 24.3434, 48.4442)
contains.

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Color

**XYZ(19.2902, 24.4458,
48.5015)**

Conversions

Conversions Part 1

Format	Color
Hex	1593B7
RGB	21, 147, 183
RGB Percent	8%, 58%, 72%
CMY	0.9176, 0.4235, 0.2823
CMYK	0.89, 0.20, 0.00, 0.28
HSL	193°, 79%, 40%
HSV	193°, 89%, 72%
XYZ	19.2902, 24.4458, 48.5015
YIQ	113.4300, -86.6520, -15.5160

Conversions

Conversions Part 2

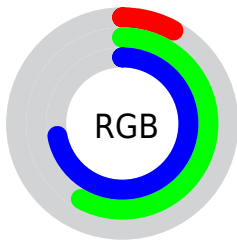
Format	Color
R _Y B	21, 92, 183
Decimal	1414071
CIE Lab	56.53, -18.80, -27.69
CIE LCh	57, 33.469, 235.823
Yxy	24.4458, 0.2091, 0.2650
Android (android.graphics.Color)	4279604151 (0xFF1593B7)
YUV	113.4300, 34.2980, -81.0611
Hunter-Lab	49.4427, -16.8825, -23.5515

Details

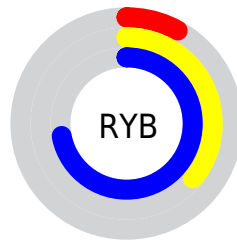
The XYZ color **19.2902, 24.4458, 48.5015** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.1282, 13.0496, 2.1157**, and the grayscale version is **15.7454, 16.5654, 18.0397**.

A 20% lighter version of the original color is **41.7222, 50.7146, 89.2513**, and **8.2121, 9.9774, 22.6121** is the 20% darker color. If you saturate the color by 10%, you get **18.3941, 23.0619, 48.2821**, and if you desaturate by 10%, it is **20.4739, 26.0120, 48.7419**.

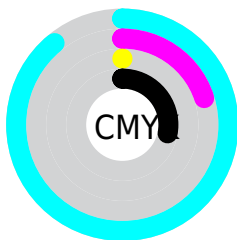
Distribution



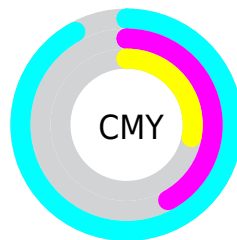
- Red (8%)
- Green (58%)
- Blue (72%)



- Red (8%)
- Yellow (36%)
- Blue (72%)



- Cyan (89%)
- Magenta (20%)
- Yellow (0%)
- Black (28%)



- Cyan (92%)
- Magenta (42%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2902, 24.4458, 48.5015 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 19.2902, 24.4458, 48.5015 by changing the saturation by 10% instead.

■ 19.2902, 24.4458,
48.5015

■ 19.2902, 24.4458,
48.5015

■ 240.9537,
275.0666, 397.3424

■ 11.9854, 15.6646,
33.8614

■ 41.7370, 50.7567,
89.3239

■ 6.8059, 9.2872,
22.5106

■ 57.6097, 69.0553,
116.3433

■ 3.3862, 4.9290,
14.0307

■ 77.0691, 91.2950,
148.3262

■ 1.3612, 2.2056,
8.0030

■ 100.4805,
117.8605, 185.6912

■ 0.2283, 0.7231,
4.0091

■ 128.2093,
149.1360, 228.8568

■ 0.0000, 0.0000,
1.6303

■ 160.6209,

■ 0.0000, 0.0000,

185.5059, 278.2415

0.3123

198.0805,
227.3546, 334.2638

■ 0.0000, 0.0000,
0.0000

■ 19.2902, 24.4458,
48.5015

■ 19.2902, 24.4458,
48.5015

■ 18.3941, 23.0619,
48.2821

■ 20.4739, 26.0120,
48.7419

■ 18.2696, 22.8635,
48.2504

■ 22.0142, 27.7951,
49.0049

■ 23.9545, 29.8183,
49.2932

■ 26.3312, 32.1006,
49.6084

■ 29.1763, 34.6590,
49.9523

■ 32.5188, 37.5086,
50.3261

■ 36.3854, 40.6634,
50.7313

■ 40.8007, 44.1365,
51.1690

■ 45.7876, 47.9401,
51.6403

Harmonies

Analogous

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



17.1445, 24.4458, 37.0540



19.2902, 24.4458, 48.5015



22.6958, 24.4458, 54.1271

Triad

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



19.2902, 24.4458, 48.5015



31.5002, 24.4458, 28.2043



20.1337, 24.4458, 11.6425

Complementary

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



19.2902, 24.4458, 48.5015



21.1282, 13.0496, 2.1157

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.



23.7827, 24.4458, 10.4861



19.2902, 24.4458, 48.5015



30.6201, 24.4458, 18.3512

Square

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



19.2902, 24.4458, 48.5015



29.9714, 24.4458, 40.5177



27.6840, 24.4458, 12.5626



17.5921, 24.4458, 16.3267

Rectangle

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



19.2902, 24.4458, 48.5015



25.3297, 24.4458, 52.9273



27.6840, 24.4458, 12.5626



21.2591, 24.4458, 10.8960

Sweetspot

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



19.2910, 24.4467, 48.5021



58.9343, 67.7536, 90.2073



17.9599, 34.3136, 9.4328



12.5374, 14.5641, 19.8720



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.



19.2910, 24.4467, 48.5021



32.5413, 40.5897, 86.3552



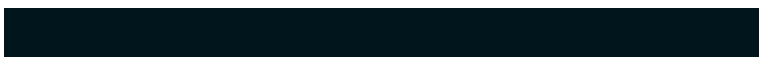
10.8590, 7.5827, 45.6914



9.0928, 9.8629, 11.5039



12.7977, 16.0551, 33.6775



0.4936, 0.6509, 1.2014

Inverse Universe

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



25.0638, 12.7111, 28.7371



43.6737, 21.5098, 47.4428



28.6249, 28.0431, 4.6146



9.2932, 9.1276, 10.8914



17.0734, 8.4031, 18.8050



0.6233, 0.3048, 0.7758

Previews

White Background



This preview shows how the XYZ color 19.2902, 24.4458, 48.5015 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 19.2902, 24.4458, 48.5015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

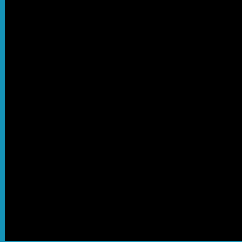
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.2902, 24.4458, 48.5015

Background



This preview shows how black text looks on a background with the XYZ color 19.2902, 24.4458, 48.5015.

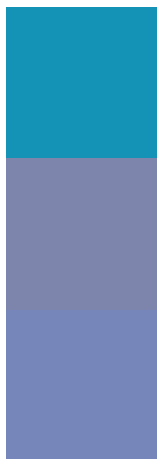


This preview shows how white text looks on a background with the XYZ color 19.2902, 24.4458,

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

19.2902, 24.4458, 48.5015

Protanopia

24.3878, 24.1522, 42.9116

Deuteranopia

24.7217, 24.1718, 49.8170



Tritanopia

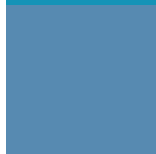
17.4279, 24.4213, 37.9777

Trichromacy



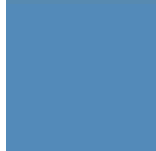
Original Color

19.2902, 24.4458, 48.5015



Protanomaly

20.9548, 23.3775, 45.0029



Deuteranomaly

21.4127, 23.5187, 49.3099



Tritanomaly

18.1033, 24.4488, 41.7952

Monochromacy



Original Color

19.2902, 24.4458, 48.5015



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

15.2293, 18.2077, 26.7565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2902, 24.4458, 48.5015 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(21, 147, 183)` looks like.

```
.text, #text, p{  
    color:rgb(21, 147, 183)  
}
```

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(21, 147, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 147, 183) }
```

Border

The CSS property to change the border of an element to XYZ 19.2902, 24.4458, 48.5015 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(21, 147, 183) }
```


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

```
.border{ border-color:rgb(21, 147, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 147, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(21, 147, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(21, 147, 183); box-shadow:4px 4px 4px 4px rgb(21, 147, 183) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2902, 24.4458, 48.5015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 147, 183) }
```

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

```
.background{ background-color: rgb(21, 147,  
183) }
```

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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