

Converting Colors

XYZ(19.4667, 24.1885, 50.8515)

Have a look what the booklet for
XYZ(19.4667, 24.1885, 50.8515)
contains.

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Color

**XYZ(19.4797, 24.2648,
50.6706)**

Conversions

Conversions Part 1

Format	Color
Hex	1192BB
RGB	17, 146, 187
RGB Percent	7%, 57%, 73%
CMY	0.9332, 0.4274, 0.2667
CMYK	0.91, 0.22, 0.00, 0.27
HSL	194°, 83%, 40%
HSV	194°, 91%, 73%
XYZ	19.4797, 24.2648, 50.6706
YIQ	112.1030, -90.0450, -14.5970

Conversions

Conversions Part 2

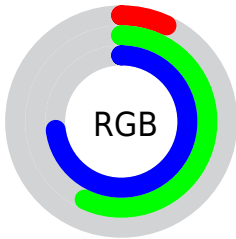
Format	Color
R_{YB}	17, 90, 187
Decimal	1151675
CIE _{Lab}	56.35, -17.07, -30.24
CIE _{LCh}	56, 34.726, 240.560
Yxy	24.2648, 0.2063, 0.2570
Android (android.graphics.Color)	4279341755 (0xFF1192BB)
YUV	112.1030, 36.9242, -83.4053
Hunter-Lab	49.2593, -15.6156, -26.5071

Details

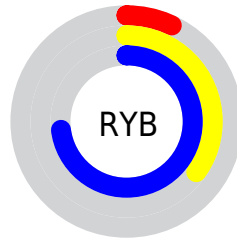
The XYZ color **19.4797, 24.2648, 50.6706** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **22.1095, 13.6342, 1.9978**, and the grayscale version is **15.3479, 16.1472, 17.5843**.

A 20% lighter version of the original color is **41.9775, 50.4323, 92.3160**, and **8.3953, 9.9056, 24.0238** is the 20% darker color. If you saturate the color by 10%, you get **18.6271, 22.9026, 50.4531**, and if you desaturate by 10%, it is **20.6761, 25.9347, 50.9303**.

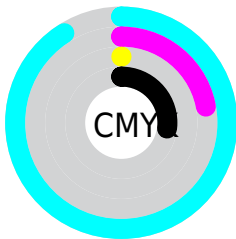
Distribution



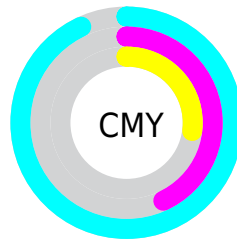
- Red (7%)
- Green (57%)
- Blue (73%)



- Red (7%)
- Yellow (35%)
- Blue (73%)



- Cyan (91%)
- Magenta (22%)
- Yellow (0%)
- Black (27%)



- Cyan (93%)
- Magenta (43%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4797, 24.2648, 50.6706 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 19.4797, 24.2648, 50.6706 by changing the saturation by 10% instead.

■ 19.4797, 24.2648,
50.6706

■ 19.4797, 24.2648,
50.6706

241.9719,
274.1565, 406.0926

■ 12.1235, 15.5302,
35.5716

■ 42.0538, 50.4620,
92.5742

■ 6.9006, 9.1923,
23.8165

■ 58.0023, 68.6933,
120.2159

■ 3.4458, 4.8668,
14.9866

■ 77.5456, 90.8590,
152.8756

■ 1.3937, 2.1693,
8.6635

■ 101.0491,
117.3434, 190.9717

■ 0.2517, 0.7032,
4.4285

■ 128.8782,
148.5310, 234.9230

■ 0.0000, 0.0000,
1.8633

■ 161.3981,

■ 0.0000, 0.0000,

184.8061, 285.1479

0.4692

198.9742,
226.5531, 342.0649

■ 0.0000, 0.0000,
0.0000

■ 19.4797, 24.2648,
50.6706

■ 19.4797, 24.2648,
50.6706

■ 18.6271, 22.9026,
50.4531

■ 20.6761, 25.9347,
50.9303

■ 22.2393, 27.8344,
51.2146

■ 24.2171, 29.9895,
51.5264

■ 26.6495, 32.4211,
51.8675

■ 29.5712, 35.1474,
52.2398

■ 33.0137, 38.1851,
52.6447

■ 37.0055, 41.5494,
53.0836

■ 41.5732, 45.2543,
53.5580

■ 46.7415, 49.3130,
54.0690

Harmonies

Analogous

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



17.0446, 24.2648, 39.3016



19.4797, 24.2648, 50.6706



23.1384, 24.2648, 55.1954

Triad

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



19.4797, 24.2648, 50.6706



31.6566, 24.2648, 26.2051



19.3633, 24.2648, 11.6111

Complementary

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



19.4797, 24.2648, 50.6706



22.1095, 13.6342, 1.9978

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.



22.9877, 24.2648, 9.9286



19.4797, 24.2648, 50.6706



30.3536, 24.2648, 16.7146

Square

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



19.4797, 24.2648, 50.6706



30.4441, 24.2648, 38.8167



27.0607, 24.2648, 11.4868



16.9831, 24.2648, 16.9915

Rectangle

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



19.4797, 24.2648, 50.6706



25.8758, 24.2648, 52.9320



27.0607, 24.2648, 11.4868



20.4617, 24.2648, 10.6780

Sweetspot

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



19.4805, 24.2656, 50.6712



61.4854, 70.4049, 94.5503



18.7329, 35.9527, 9.7824



13.0253, 15.0643, 20.7638



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



19.4805, 24.2656, 50.6712



33.1672, 40.6310, 90.2959



10.9433, 7.1911, 47.8255



9.6083, 10.4089, 12.1749



12.8924, 15.8966, 34.7817



0.5528, 0.7184, 1.3784

Inverse Universe

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



25.8830, 13.0420, 28.3480



45.3364, 22.3746, 47.1763



30.2198, 29.8547, 4.7012



9.8289, 9.6559, 11.4880



17.5083, 8.6345, 18.5020



0.7100, 0.3479, 0.8519

Previews

White Background



This preview shows how the XYZ color 19.4797, 24.2648, 50.6706 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 19.4797, 24.2648, 50.6706 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 19.4797, 24.2648, 50.6706

Background



This preview shows how black text looks on a background with the XYZ color 19.4797, 24.2648, 50.6706.

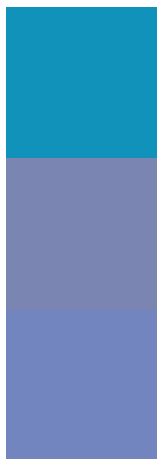


This preview shows how white text looks on a background with the XYZ color 19.4797, 24.2648,

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

19.4797, 24.2648, 50.6706

Protanopia

24.3494, 24.0870, 44.9609

Deuteranopia

24.6212, 24.0702, 52.0635



Tritanopia

17.1805, 24.0681, 37.4583

Trichromacy



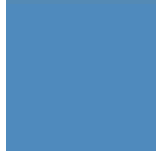
Original Color

19.4797, 24.2648, 50.6706



Protanomaly

21.0851, 23.3980, 47.1210



Deuteranomaly

21.4982, 23.5133, 51.5496



Tritanomaly

17.9207, 24.1208, 41.7415

Monochromacy



Original Color

19.4797, 24.2648, 50.6706



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

14.9284, 17.8572, 27.0861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4797, 24.2648, 50.6706 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(17, 146, 187)` looks like.

```
.text, #text, p{  
    color:rgb(17, 146, 187)  
}
```

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(17, 146, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 146, 187) }
```

Border

The CSS property to change the border of an element to XYZ 19.4797, 24.2648, 50.6706 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(17, 146, 187) }
```


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

```
.border{ border-color:rgb(17, 146, 187) }
```

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

Here you see how a box with a 4 pixel rgb(17, 146, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 146, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 146, 187);  
box-shadow:4px 4px 4px 4px rgb(17, 146,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4797, 24.2648, 50.6706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 146, 187) }
```

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

```
.background{ background-color: rgb(17, 146,  
187) }
```

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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