

Converting Colors

XYZ(18.8377, 22.3219, 49.8542)

Have a look what the booklet for
XYZ(18.8377, 22.3219, 49.8542)
contains.

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Color

**XYZ(18.8585, 22.4037,
49.7848)**

Conversions

Conversions Part 1

Format	Color
Hex	258BBA
RGB	37, 139, 186
RGB Percent	15%, 55%, 73%
CMY	0.8548, 0.4549, 0.2706
CMYK	0.80, 0.25, 0.00, 0.27
HSL	199°, 67%, 44%
HSV	199°, 80%, 73%
XYZ	18.8585, 22.4037, 49.7848
YIQ	113.8600, -75.8790, -7.0070

Conversions

Conversions Part 2

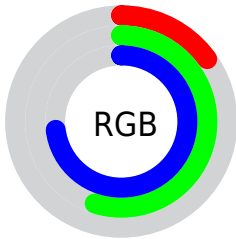
Format	Color
R_{YB}	37, 98, 186
Decimal	2460602
CIE _{Lab}	54.45, -12.05, -32.61
CIE _{LCh}	54, 34.763, 249.719
Yxy	22.4037, 0.2071, 0.2461
Android (android.graphics.Color)	4280650682 (0xFF258BBA)
YUV	113.8600, 35.5650, -67.4062
Hunter-Lab	47.3325, -11.7130, -29.2290

Details

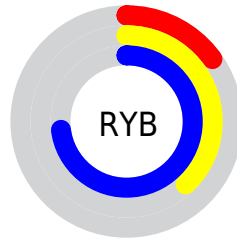
The XYZ color **18.8585, 22.4037, 49.7848** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **23.7554, 16.9155, 3.7643**, and the grayscale version is **15.8669, 16.6932, 18.1789**.

A 20% lighter version of the original color is **40.8205, 47.1742, 90.9585**, and **7.8060, 8.8382, 23.4848** is the 20% darker color. If you saturate the color by 10%, you get **17.5262, 20.4896, 49.4860**, and if you desaturate by 10%, it is **20.5778, 24.5857, 50.1158**.

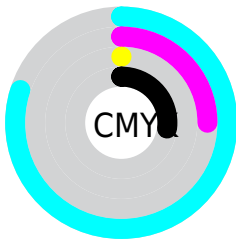
Distribution



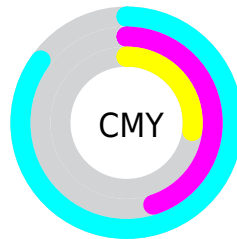
- Red (15%)
- Green (55%)
- Blue (73%)



- Red (15%)
- Yellow (38%)
- Blue (73%)



- Cyan (80%)
- Magenta (25%)
- Yellow (0%)
- Black (27%)



- Cyan (85%)
- Magenta (45%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8585, 22.4037, 49.7848 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 18.8585, 22.4037, 49.7848 by changing the saturation by 10% instead.

■ 18.8585, 22.4037,
49.7848

■ 18.8585, 22.4037,
49.7848

238.6196,
264.6473, 402.5347

■ 11.6715, 14.1538,
34.8725

■ 41.0136, 47.4123,
91.2490

■ 6.5910, 8.2277,
23.2819

■ 56.7124, 64.9399,
118.6379

■ 3.2517, 4.2410,
14.5945

■ 75.9791, 86.3288,
151.0227

■ 1.2882, 1.8093,
8.3919

■ 99.1791, 111.9634,
188.8220

■ 0.1744, 0.4929,
4.2554

■ 126.6779,
142.2282, 232.4543

■ 0.0000, 0.0000,
1.7664

158.8406,

■ 0.0000, 0.0000,

177.5075, 282.3382

0.4057

196.0327,
218.1857, 338.8921

■ 0.0000, 0.0000,
0.0000

■ 18.8585, 22.4037,
49.7848

■ 18.8585, 22.4037,
49.7848

■ 17.5262, 20.4896,
49.4860

■ 20.5778, 24.5857,
50.1158

■ 16.4945, 18.8082,
49.2158

■ 22.7278, 27.0581,
50.4797

■ 25.3485, 29.8429,
50.8791

■ 28.4743, 32.9588,
51.3158

■ 32.1364, 36.4228,
51.7914

■ 36.3632, 40.2506,
52.3075

■ 41.1809, 44.4566,
52.8654

■ 46.6143, 49.0544,
53.4665

■ 52.6864, 54.0568,
54.1120

Harmonies

Analogous

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



16.1498, 22.4037, 40.3743



18.8585, 22.4037, 49.7848



22.5527, 22.4037, 51.4075

Triad

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



18.8585, 22.4037, 49.7848



29.3459, 22.4037, 21.0261



16.9544, 22.4037, 11.5703

Complementary

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



18.8585, 22.4037, 49.7848



23.7554, 16.9155, 3.7643

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.



20.0832, 22.4037, 9.0262



18.8585, 22.4037, 49.7848



27.4289, 22.4037, 13.3086

Square

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



18.8585, 22.4037, 49.7848



28.9166, 22.4037, 32.3972



23.9307, 22.4037, 9.5503



15.1447, 22.4037, 17.8307

Rectangle

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



18.8585, 22.4037, 49.7848



25.1291, 22.4037, 47.4779



23.9307, 22.4037, 9.5503



17.8705, 22.4037, 10.3512

Sweetspot

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



18.8593, 22.4045, 49.7854



62.4894, 69.8923, 94.3984



19.8345, 36.1165, 13.8506



13.1658, 14.8498, 20.7150



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.



18.8593, 22.4045, 49.7854



30.3529, 34.8223, 89.3230



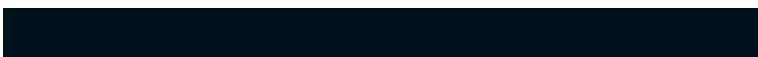
11.6224, 7.9306, 47.3731



9.0213, 9.7198, 11.4801



11.1664, 12.7925, 33.1337



0.4465, 0.5567, 1.1857

Inverse Universe

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



25.5722, 13.6273, 25.7092



43.9598, 21.9922, 39.4086



32.5067, 34.4181, 6.6814



9.2571, 9.1132, 10.7012



16.2500, 8.0737, 14.4690



0.5995, 0.2953, 0.6505

Previews

White Background



This preview shows how the XYZ color 18.8585, 22.4037, 49.7848 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 18.8585, 22.4037, 49.7848 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

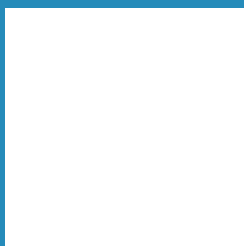
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8585, 22.4037, 49.7848

Background



This preview shows how black text looks on a background with the XYZ color 18.8585, 22.4037, 49.7848.

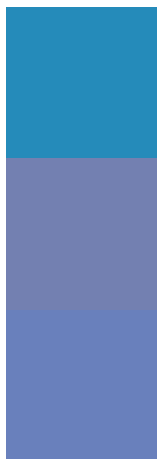


This preview shows how white text looks on a background with the XYZ color 18.8585, 22.4037,

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

18.8585, 22.4037, 49.7848

Protanopia

22.7252, 22.2575, 44.6934

Deuteranopia

22.6220, 22.0724, 50.6451



Tritanopia

15.8897, 22.3131, 34.4797

Trichromacy



Original Color

18.8585, 22.4037, 49.7848

Protanomaly

20.4200, 21.8241, 46.3162

Deuteranomaly

20.5292, 21.7959, 50.1387

Tritanomaly

16.7219, 22.1847, 39.4771

Monochromacy



Original Color

18.8585, 22.4037, 49.7848

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.6543, 18.0378, 27.4675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8585, 22.4037, 49.7848 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(37, 139, 186)` looks like.

```
.text, #text, p{  
    color:rgb(37, 139, 186)  
}
```

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(37, 139, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 139, 186) }
```

Border

The CSS property to change the border of an element to XYZ 18.8585, 22.4037, 49.7848 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(37, 139, 186) }
```


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

```
.border{ border-color:rgb(37, 139, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 139, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 139, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 139, 186);  
box-shadow:4px 4px 4px 4px rgb(37, 139,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8585, 22.4037, 49.7848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 139, 186) }
```

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

```
.background{ background-color: rgb(37, 139,  
186) }
```

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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