

Converting Colors

XYZ(18.6429, 22.4130, 47.5079)

Have a look what the booklet for
XYZ(18.6429, 22.4130, 47.5079)
contains.

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Color

**XYZ(18.6310, 22.3349,
47.5851)**

Conversions

Conversions Part 1

Format	Color
Hex	2A8BB6
RGB	42, 139, 182
RGB Percent	16%, 55%, 71%
CMY	0.8352, 0.4549, 0.2863
CMYK	0.77, 0.24, 0.00, 0.29
HSL	198°, 62%, 44%
HSV	198°, 77%, 71%
XYZ	18.6310, 22.3349, 47.5851
YIQ	114.8990, -71.6150, -7.1910

Conversions

Conversions Part 2

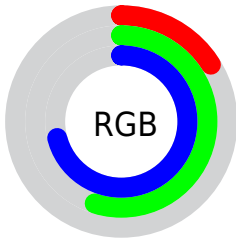
Format	Color
R_{YB}	42, 99, 182
Decimal	2788278
CIE _{Lab}	54.38, -12.92, -30.43
CIE _{LCh}	54, 33.057, 247.001
Yxy	22.3349, 0.2104, 0.2522
Android (android.graphics.Color)	4280978358 (0xFF2A8BB6)
YUV	114.8990, 33.0808, -63.9324
Hunter-Lab	47.2598, -12.3355, -26.6162

Details

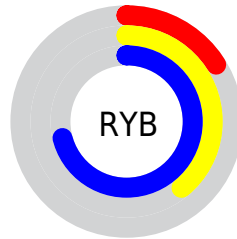
The XYZ color **18.6310, 22.3349, 47.5851** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.9591, 16.6111, 4.1878**, and the grayscale version is **16.1849, 17.0278, 18.5433**.

A 20% lighter version of the original color is **40.4666, 47.0605, 87.8397**, and **7.5348, 8.7297, 22.0568** is the 20% darker color. If you saturate the color by 10%, you get **17.2598, 20.4573, 47.2954**, and if you desaturate by 10%, it is **20.3831, 24.4711, 47.9055**.

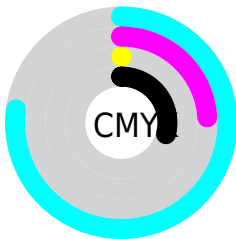
Distribution



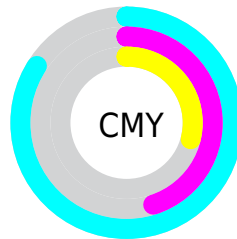
- Red (16%)
- Green (55%)
- Blue (71%)



- Red (16%)
- Yellow (39%)
- Blue (71%)



- Cyan (77%)
- Magenta (24%)
- Yellow (0%)
- Black (29%)



- Cyan (84%)
- Magenta (45%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6310, 22.3349, 47.5851 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 18.6310, 22.3349, 47.5851 by changing the saturation by 10% instead.

■ 18.6310, 22.3349,
47.5851

■ 18.6310, 22.3349,
47.5851

237.3814,
264.2902, 393.6064

■ 11.5064, 14.1032,
33.1408

■ 40.6314, 47.2989,
87.9454

■ 6.4783, 8.1925,
21.9623

■ 56.2378, 64.8000,
114.6986

■ 3.1814, 4.2184,
13.6312

■ 75.4022, 86.1596,
146.3917

■ 1.2504, 1.7964,
7.7288

■ 98.4900, 111.7622,
183.4433

■ 0.1456, 0.4850,
3.8366

■ 125.8664,
141.9922, 226.2721

■ 0.0000, 0.0000,
1.5361

157.8969,

■ 0.0000, 0.0000,

177.2339, 275.2965

0.2446

194.9468,
217.8718, 330.9351

■ 0.0000, 0.0000,
0.0000

■ 18.6310, 22.3349,
47.5851

■ 18.6310, 22.3349,
47.5851

■ 17.2598, 20.4573,
47.2954

■ 20.3831, 24.4711,
47.9055

■ 16.2097, 18.8054,
47.0319

■ 22.5548, 26.8856,
48.2571

■ 15.9169, 18.3241,
46.9544

■ 25.1825, 29.5983,
48.6422

■ 28.2975, 32.6264,
49.0625

■ 31.9285, 35.9853,
49.5195

■ 36.1017, 39.6895,
50.0145

■ 40.8414, 43.7523,
50.5489

■ 46.1705, 48.1862,
51.1239

■ 52.1105, 53.0032,
51.7406

Harmonies

Analogous

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



16.1547, 22.3349, 38.3483



18.6310, 22.3349, 47.5851



22.0858, 22.3349, 49.8601

Triad

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



18.6310, 22.3349, 47.5851



28.8884, 22.3349, 21.9760



17.3201, 22.3349, 11.6492

Complementary

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



18.6310, 22.3349, 47.5851



22.9591, 16.6111, 4.1878

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.



20.3940, 22.3349, 9.4454



18.6310, 22.3349, 47.5851



27.2672, 22.3349, 14.2116

Square

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



18.6310, 22.3349, 47.5851



28.2789, 22.3349, 32.9402



24.0572, 22.3349, 10.2282



15.4599, 22.3349, 17.3507

Rectangle

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



18.6310, 22.3349, 47.5851



24.5378, 22.3349, 46.6734



24.0572, 22.3349, 10.2282



18.2313, 22.3349, 10.5610

Sweetspot

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



18.6318, 22.3357, 47.5857



60.4400, 67.5368, 90.0861



19.2840, 34.5890, 14.0492



12.7724, 14.3981, 19.8275



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.



18.6318, 22.3357, 47.5857



29.9760, 35.0613, 85.4233



11.5896, 8.2514, 45.2383



9.0276, 9.7324, 11.4822



11.3012, 13.0620, 33.1787



0.4505, 0.5647, 1.1870

Inverse Universe

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



24.7803, 13.4661, 25.7199



42.4760, 21.4025, 39.9893



31.2658, 33.2246, 6.9567



9.2603, 9.1145, 10.7181



16.3180, 8.1010, 14.8272



0.6015, 0.2961, 0.6612

Previews

White Background



This preview shows how the XYZ color 18.6310, 22.3349, 47.5851 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 18.6310, 22.3349, 47.5851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

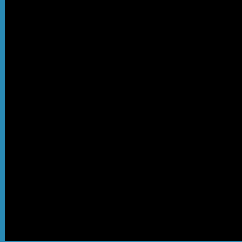
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6310, 22.3349, 47.5851

Background



This preview shows how black text looks on a background with the XYZ color 18.6310, 22.3349, 47.5851.

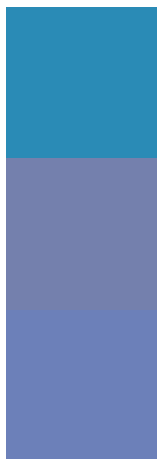


This preview shows how white text looks on a background with the XYZ color 18.6310, 22.3349,

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

18.6310, 22.3349, 47.5851

Protanopia

22.4645, 22.1685, 42.6301

Deuteranopia

22.6605, 22.1293, 48.9760



Tritanopia

15.8897, 22.3131, 34.4797

Trichromacy



Original Color

18.6310, 22.3349, 47.5851

Protanomaly

20.2076, 21.7610, 44.2095

Deuteranomaly

20.5591, 21.8480, 48.4809

Tritanomaly

16.6615, 22.1642, 38.9973

Monochromacy



Original Color

18.6310, 22.3349, 47.5851

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.8924, 18.3541, 27.1312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6310, 22.3349, 47.5851 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(42, 139, 182)` looks like.

```
.text, #text, p{  
    color:rgb(42, 139, 182)  
}
```

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(42, 139, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 139, 182) }
```

Border

The CSS property to change the border of an element to XYZ 18.6310, 22.3349, 47.5851 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(42, 139, 182) }
```


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

```
.border{ border-color:rgb(42, 139, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 139, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 139, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 139, 182);  
box-shadow:4px 4px 4px 4px rgb(42, 139,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6310, 22.3349, 47.5851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 139, 182) }
```

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

```
.background{ background-color: rgb(42, 139,  
182) }
```

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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