

Converting Colors

XYZ(19.1118, 22.9568, 48.1577)

Have a look what the booklet for
XYZ(19.1118, 22.9568, 48.1577)
contains.

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Color

**XYZ(19.1543, 23.0265,
48.2348)**

Conversions

Conversions Part 1

Format	Color
Hex	2D8DB7
RGB	45, 141, 183
RGB Percent	18%, 55%, 72%
CMY	0.8235, 0.4471, 0.2823
CMYK	0.75, 0.23, 0.00, 0.28
HSL	198°, 61%, 45%
HSV	198°, 75%, 72%
XYZ	19.1543, 23.0265, 48.2348
YIQ	117.0840, -70.6980, -7.2900

Conversions

Conversions Part 2

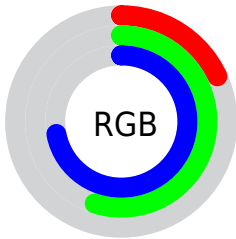
Format	Color
R_{YB}	45, 102, 183
Decimal	2985399
CIE _{Lab}	55.10, -13.32, -29.88
CIE _{LCh}	55, 32.712, 245.970
Yxy	23.0265, 0.2118, 0.2547
Android (android.graphics.Color)	4281175479 (0xFF2D8DB7)
YUV	117.0840, 32.4966, -63.2177
Hunter-Lab	47.9859, -12.7245, -26.0073

Details

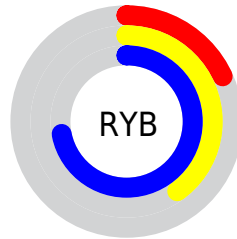
The XYZ color **19.1543, 23.0265, 48.2348** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **23.4115, 17.0749, 4.5455**, and the grayscale version is **16.8539, 17.7316, 19.3097**.

A 20% lighter version of the original color is **41.5255, 48.5772, 88.8491**, and **7.7704, 9.0939, 22.4648** is the 20% darker color. If you saturate the color by 10%, you get **17.7161, 21.0967, 47.9386**, and if you desaturate by 10%, it is **20.9843, 25.2204, 48.5623**.

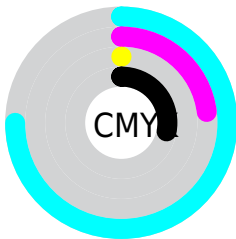
Distribution



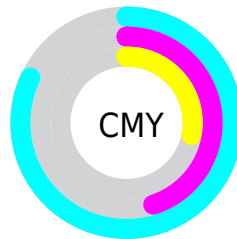
- Red (18%)
- Green (55%)
- Blue (72%)



- Red (18%)
- Yellow (40%)
- Blue (72%)



- Cyan (75%)
- Magenta (23%)
- Yellow (0%)
- Black (28%)



- Cyan (82%)
- Magenta (45%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1543, 23.0265, 48.2348 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 19.1543, 23.0265, 48.2348 by changing the saturation by 10% instead.

■ 19.1543, 23.0265,
48.2348

■ 19.1543, 23.0265,
48.2348

240.2211,
267.8611, 396.2576

■ 11.8865, 14.6131,
33.6516

■ 41.5095, 48.4368,
88.9231

■ 6.7381, 8.5483,
22.3509

■ 57.3277, 66.2025,
115.8652

■ 3.3437, 4.4477,
13.9142

■ 76.7266, 87.8545,
147.7640

■ 1.3380, 1.9270,
7.9229

■ 100.0717,
113.7770, 185.0381

■ 0.2114, 0.5646,
3.9586

■ 127.7284,
144.3545, 228.1059

■ 0.0000, 0.0000,
1.6027

160.0619,

■ 0.0000, 0.0000,

179.9714, 277.3861

0.2927

197.4377,
221.0122, 333.2971

■ 0.0000, 0.0000,
0.0000

■ 19.1543, 23.0265,
48.2348

■ 19.1543, 23.0265,
48.2348

■ 17.7161, 21.0967,
47.9386

■ 20.9843, 25.2204,
48.5623

■ 16.6169, 19.4018,
47.6694

■ 23.2444, 27.6978,
48.9213

■ 16.1758, 18.6759,
47.5525

■ 25.9706, 30.4785,
49.3144

■ 29.1944, 33.5796,
49.7430

■ 32.9441, 37.0166,
50.2088

■ 37.2461, 40.8038,
50.7131

■ 42.1248, 44.9546,
51.2571

■ 47.6032, 49.4816,
51.8422

■ 53.7028, 54.3967,
52.4694

Harmonies

Analogous

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



16.6898, 23.0265, 38.8055



19.1543, 23.0265, 48.2348



22.6230, 23.0265, 50.8015

Triad

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



19.1543, 23.0265, 48.2348



29.6226, 23.0265, 23.0418



18.0222, 23.0265, 12.0833

Complementary

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



19.1543, 23.0265, 48.2348



23.4115, 17.0749, 4.5455

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.



21.1652, 23.0265, 9.9387



19.1543, 23.0265, 48.2348



28.0622, 23.0265, 15.0340

Square

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



19.1543, 23.0265, 48.2348



28.9313, 23.0265, 34.1658



24.8658, 23.0265, 10.8450



16.0888, 23.0265, 17.7545

Rectangle

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



19.1543, 23.0265, 48.2348



25.1006, 23.0265, 47.7920



24.8658, 23.0265, 10.8450



18.9583, 23.0265, 11.0100

Sweetspot

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



19.1551, 23.0273, 48.2354



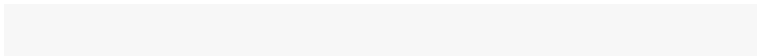
60.4802, 67.6171, 90.0995



19.7125, 35.1039, 14.6272



12.7825, 14.4183, 19.8309



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.



19.1551, 23.0273, 48.2354



30.4663, 35.8907, 85.5576



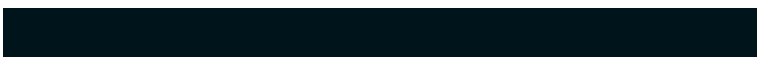
11.9869, 8.6908, 45.8460



9.0297, 9.7367, 11.4829



11.3471, 13.1538, 33.1940



0.4518, 0.5674, 1.1874

Inverse Universe

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



25.2753, 13.8681, 26.5446



42.7604, 21.6577, 41.0512



31.7910, 33.8339, 7.3387



9.2614, 9.1149, 10.7237



16.3411, 8.1102, 14.9492



0.6022, 0.2964, 0.6648

Previews

White Background



This preview shows how the XYZ color 19.1543, 23.0265, 48.2348 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 19.1543, 23.0265, 48.2348 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

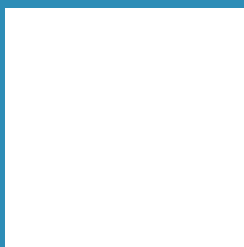
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1543, 23.0265, 48.2348

Background



This preview shows how black text looks on a background with the XYZ color 19.1543, 23.0265, 48.2348.

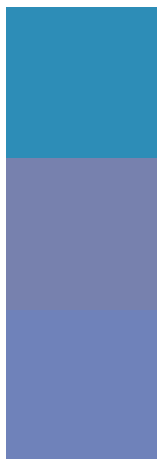


This preview shows how white text looks on a background with the XYZ color 19.1543, 23.0265,

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

19.1543, 23.0265, 48.2348

Protanopia

23.0980, 22.6784, 43.2044

Deuteranopia

23.4011, 22.8899, 49.6392



Tritanopia

16.5784, 23.1022, 35.4837

Trichromacy



Original Color

19.1543, 23.0265, 48.2348

Protanomaly

20.7370, 22.2247, 44.7918

Deuteranomaly

21.2125, 22.5792, 49.1391

Tritanomaly

17.3082, 22.9327, 39.5906

Monochromacy



Original Color

19.1543, 23.0265, 48.2348

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.5830, 19.0689, 28.0060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1543, 23.0265, 48.2348 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(45, 141, 183)` looks like.

```
.text, #text, p{  
    color:rgb(45, 141, 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(45, 141, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 141, 183) }
```

Border

The CSS property to change the border of an element to XYZ 19.1543, 23.0265, 48.2348 is called "border". The border property can be set on classes, ids or directly on the HTML element.

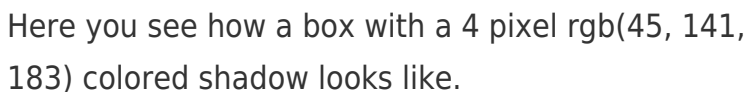
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(45, 141, 183) }
```


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

```
.border{ border-color:rgb(45, 141, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(45, 141, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(45, 141, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(45, 141, 183); box-shadow:4px 4px 4px 4px rgb(45, 141, 183) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1543, 23.0265, 48.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 141, 183) }
```

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

```
.background{ background-color: rgb(45, 141,  
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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