

Converting Colors

XYZ(18.2772, 23.0935, 44.0521)

Have a look what the booklet for
XYZ(18.2772, 23.0935, 44.0521)
contains.

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Color

**XYZ(18.2879, 23.1151,
44.0552)**

Conversions

Conversions Part 1

Format	Color
Hex	248FAF
RGB	36, 143, 175
RGB Percent	14%, 56%, 69%
CMY	0.8588, 0.4392, 0.3137
CMYK	0.79, 0.18, 0.00, 0.31
HSL	194°, 66%, 41%
HSV	194°, 79%, 69%
XYZ	18.2879, 23.1151, 44.0552
YIQ	114.6550, -74.0440, -12.7320

Conversions

Conversions Part 2

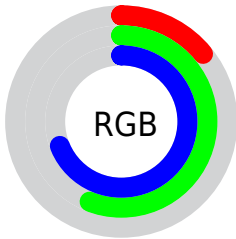
Format	Color
R_{YB}	36, 96, 175
Decimal	2396079
CIE _{Lab}	55.19, -18.20, -25.18
CIE _{LCh}	55, 31.072, 234.141
Yxy	23.1151, 0.2140, 0.2705
Android (android.graphics.Color)	4280586159 (0xFF248FAF)
YUV	114.6550, 29.7501, -68.9804
Hunter-Lab	48.0782, -16.2392, -20.6742

Details

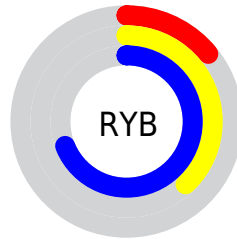
The XYZ color **18.2879, 23.1151, 44.0552** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.0659, 13.3772, 3.1946**, and the grayscale version is **16.1217, 16.9613, 18.4709**.

A 20% lighter version of the original color is **40.0990, 48.6451, 82.8773**, and **7.4272, 9.2338, 19.8032** is the 20% darker color. If you saturate the color by 10%, you get **17.2258, 21.6861, 43.8358**, and if you desaturate by 10%, it is **19.6718, 24.7431, 44.2969**.

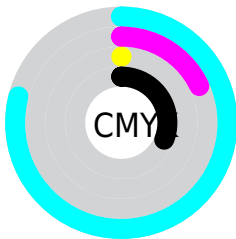
Distribution



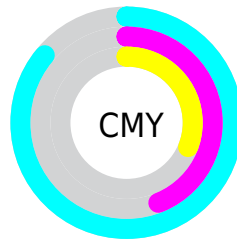
- Red (14%)
- Green (56%)
- Blue (69%)



- Red (14%)
- Yellow (38%)
- Blue (69%)



- Cyan (79%)
- Magenta (18%)
- Yellow (0%)
- Black (31%)



- Cyan (86%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2879, 23.1151, 44.0552 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 18.2879, 23.1151, 44.0552 by changing the saturation by 10% instead.

■ 18.2879, 23.1151,
44.0552

■ 18.2879, 23.1151,
44.0552

235.5031,
268.3156, 378.9814

■ 11.2578, 14.6785,
30.3764

■ 40.0535, 48.5823,
82.6042

■ 6.3091, 8.5941,
19.8700

■ 55.5198, 66.3816,
108.3114

■ 3.0764, 4.4774,
12.1174

■ 74.5289, 88.0707,
138.8652

■ 1.1943, 1.9440,
6.7002

■ 97.4460, 114.0339,
174.6841

■ 0.1018, 0.5746,
3.1997

■ 124.6367,
144.6556, 216.1866

■ 0.0000, 0.0000,
1.1975

156.4662,

■ 0.0000, 0.0000,

180.3202, 263.7913

0.0000

193.2999,
221.4120, 317.9167

■ 18.2879, 23.1151,
44.0552

■ 18.2879, 23.1151,
44.0552

■ 17.2258, 21.6861,
43.8358

■ 19.6718, 24.7431,
44.2969

■ 16.4067, 20.4139,
43.6334

■ 21.4137, 26.5877,
44.5612

■ 16.3616, 20.3424,
43.6220

■ 23.5474, 28.6673,
44.8501

■ 26.1018, 30.9970,
45.1652

■ 29.1033, 33.5907,
45.5076

■ 32.5758, 36.4611,
45.8786

■ 36.5415, 39.6198,
46.2793

■ 41.0212, 43.0780,
46.7107

■ 46.0344, 46.8461,
47.1738

Harmonies

Analogous

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



16.4253, 23.1151, 33.8230



18.2879, 23.1151, 44.0552



21.2959, 23.1151, 49.3728

Triad

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



18.2879, 23.1151, 44.0552



29.3006, 23.1151, 27.1705



19.3521, 23.1151, 11.4451

Complementary

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



18.2879, 23.1151, 44.0552



20.0659, 13.3772, 3.1946

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.



22.6586, 23.1151, 10.5406



18.2879, 23.1151, 44.0552



28.6407, 23.1151, 18.1325

Square

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



18.2879, 23.1151, 44.0552



27.8353, 23.1151, 38.1078



26.1163, 23.1151, 12.6382



16.9929, 23.1151, 15.5499

Rectangle

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



18.2879, 23.1151, 44.0552



23.6414, 23.1151, 48.6254



26.1163, 23.1151, 12.6382



20.3797, 23.1151, 10.8112

Sweetspot

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



18.2887, 23.1159, 44.0558



55.1279, 62.6694, 81.8277



17.0453, 31.4304, 10.3422



11.7810, 13.5362, 18.1362



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.2887, 23.1159, 44.0558



29.7847, 37.1844, 78.2444



11.0088, 8.5561, 41.6291



8.0776, 8.7547, 10.2168



11.7651, 14.6640, 31.2549



0.3651, 0.4835, 0.8821

Inverse Universe

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



23.2687, 12.3598, 27.1466



39.7534, 19.7569, 43.4764



26.7489, 26.7433, 5.4223



8.2570, 8.1160, 9.6641



15.8021, 7.7834, 17.1352



0.4587, 0.2242, 0.5771

Previews

White Background



This preview shows how the XYZ color 18.2879, 23.1151, 44.0552 looks on a white background.

Color Contrast Check

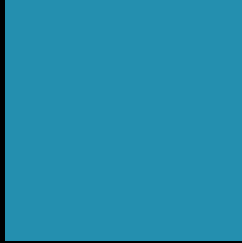
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.2879, 23.1151, 44.0552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

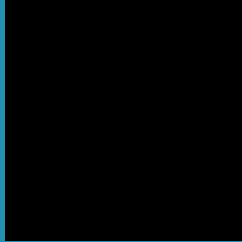
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2879, 23.1151, 44.0552

Background



This preview shows how black text looks on a background with the XYZ color 18.2879, 23.1151, 44.0552.

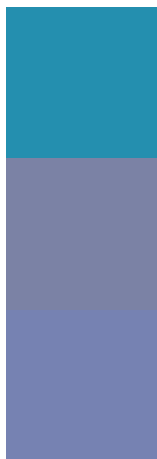


This preview shows how white text looks on a background with the XYZ color 18.2879, 23.1151,

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

18.2879, 23.1151, 44.0552

Protanopia

22.9425, 22.8928, 38.8069

Deuteranopia

23.4897, 23.0312, 45.3269



Tritanopia

16.5631, 23.0845, 35.9305

Trichromacy



Original Color

18.2879, 23.1151, 44.0552

Protanomaly

20.1398, 22.4167, 40.8015

Deuteranomaly

20.6243, 22.5770, 44.8657

Tritanomaly

17.0948, 23.0696, 38.6738

Monochromacy



Original Color

18.2879, 23.1151, 44.0552

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.6867, 18.4518, 26.4017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2879, 23.1151, 44.0552 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(36, 143, 175)` looks like.

```
.text, #text, p{  
    color:rgb(36, 143, 175)  
}
```

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(36, 143, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 143, 175) }
```

Border

The CSS property to change the border of an element to XYZ 18.2879, 23.1151, 44.0552 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(36, 143, 175) }
```


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

```
.border{ border-color:rgb(36, 143, 175) }
```

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

Here you see how a box with a 4 pixel rgb(36, 143, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 143, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 143, 175);  
box-shadow:4px 4px 4px 4px rgb(36, 143,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2879, 23.1151, 44.0552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 143, 175) }
```

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

```
.background{ background-color: rgb(36, 143,  
175) }
```

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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