

Converting Colors

XYZ(18.4550, 23.5459, 47.8521)

Have a look what the booklet for
XYZ(18.4550, 23.5459, 47.8521)
contains.

XYZ(18.5689, 23.6282, 47.8380)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.5689, 23.6282,
47.8380)**

Conversions

Conversions Part 1

Format	Color
Hex	0091B6
RGB	0, 145, 182
RGB Percent	0%, 57%, 71%
CMY	0.9999, 0.4314, 0.2863
CMYK	1.00, 0.20, 0.00, 0.29
HSL	192°, 100%, 36%
HSV	192°, 100%, 71%
XYZ	18.5689, 23.6282, 47.8380
YIQ	105.8630, -98.2970, -19.2330

Conversions

Conversions Part 2

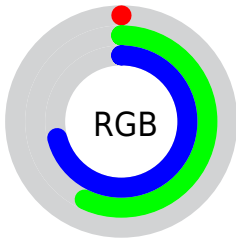
Format	Color
RYB	0, 81, 182
Decimal	37302
CIELab	55.71, -18.98, -28.40
CIElCh	56, 34.161, 236.237
Yxy	23.6282, 0.2062, 0.2624
Android (android.graphics.Color)	4278227382 (0xFF0091B6)
YUV	105.8630, 37.5355, -92.8419
Hunter-Lab	48.6088, -16.8773, -24.3236

Details

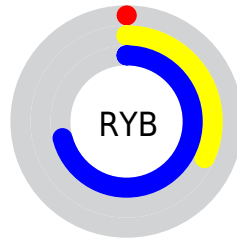
The XYZ color **18.5689, 23.6282, 47.8380** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.9545, 11.2706, 1.1247**, and the grayscale version is **13.5851, 14.2926, 15.5647**.

A 20% lighter version of the original color is **40.5754, 49.4528, 88.2957**, and **7.9652, 9.5904, 22.2002** is the 20% darker color. If you saturate the color by 10%, you get **18.5682, 23.6266, 47.8382**, and if you desaturate by 10%, it is **19.3979, 24.9092, 48.0420**.

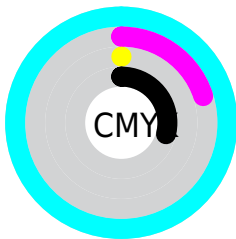
Distribution



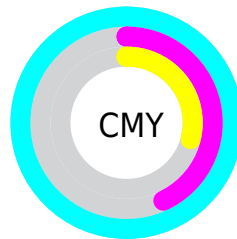
- Red (0%)
- Green (57%)
- Blue (71%)



- Red (0%)
- Yellow (32%)
- Blue (71%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (43%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5689, 23.6282, 47.8380 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 18.5689, 23.6282, 47.8380 by changing the saturation by 10% instead.

18.5689, 23.6282,
47.8380

18.5689, 23.6282,
47.8380

237.0425,
270.9354, 394.6398

11.4613, 15.0580,
33.3395

40.5269, 49.4228,
88.3262

6.4476, 8.8601,
22.1134

56.1080, 67.4160,
115.1530

3.1623, 4.6501,
13.7412

75.2444, 89.3191,
146.9263

1.2402, 2.0434,
7.8042

98.3014, 115.5163,
184.0647

0.1377, 0.6325,
3.8839

125.6444,
146.3922, 226.9867

0.0000, 0.0000,
1.5619

157.6386,

0.0000, 0.0000,

182.3311, 276.1109

0.2634

194.6495,
223.7173, 331.8557

■ 0.0000, 0.0000,
0.0000

■ 18.5689, 23.6282,
47.8380

■ 18.5689, 23.6282,
47.8380

■ 18.5682, 23.6266,
47.8382

■ 19.3979, 24.9092,
48.0420

■ 20.4802, 26.3479,
48.2627

■ 21.9051, 27.9912,
48.5048

■ 23.7157, 29.8613,
48.7703

■ 25.9486, 31.9775,
49.0611

■ 28.6358, 34.3565,
49.3787

■ 31.8063, 37.0134,
49.7244

■ 35.4867, 39.9623,
50.0996

■ 39.7014, 43.2159,
50.5055

Harmonies

Analogous

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



16.4195, 23.6282, 36.3524



18.5689, 23.6282, 47.8380



21.9728, 23.6282, 53.4099

Triad

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



18.5689, 23.6282, 47.8380



30.7369, 23.6282, 27.1519



19.3244, 23.6282, 10.9487

Complementary

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



18.5689, 23.6282, 47.8380



19.9545, 11.2706, 1.1247

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.



22.9501, 23.6282, 9.7762



18.5689, 23.6282, 47.8380



29.8203, 23.6282, 17.4046

Square

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



18.5689, 23.6282, 47.8380



29.2339, 23.6282, 39.4906



26.8552, 23.6282, 11.7597



16.8193, 23.6282, 15.6028

Rectangle

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



18.5689, 23.6282, 47.8380



24.6048, 23.6282, 52.1112



26.8552, 23.6282, 11.7597



20.4396, 23.6282, 10.2045

Sweetspot

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



18.5697, 23.6290, 47.8386



57.3383, 66.8374, 90.1146



17.0536, 33.5865, 7.2876



12.1107, 14.3036, 19.8442



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.



18.5697, 23.6290, 47.8386



33.4906, 42.4883, 86.6716



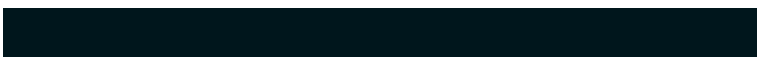
9.7925, 6.0746, 44.9129



9.1074, 9.8921, 11.5088



13.1606, 16.7808, 33.7985



0.5038, 0.6712, 1.2048

Inverse Universe

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



24.4030, 11.9904, 27.8170



44.1529, 21.7014, 49.9661



26.9344, 25.2305, 3.4514



9.3006, 9.1306, 10.9302



17.2565, 8.4764, 19.7695



0.6284, 0.3069, 0.8028

Previews

White Background



This preview shows how the XYZ color 18.5689, 23.6282, 47.8380 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 18.5689, 23.6282, 47.8380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

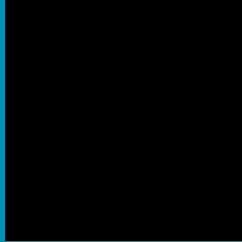
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.5689, 23.6282, 47.8380

Background



This preview shows how black text looks on a background with the XYZ color 18.5689, 23.6282, 47.8380.

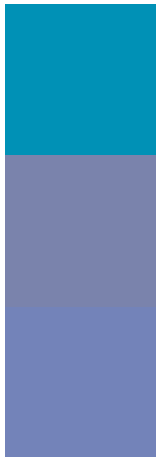


This preview shows how white text looks on a background with the XYZ color 18.5689, 23.6282,

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

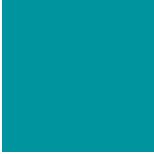
18.5689, 23.6282, 47.8380

Protanopia

23.5887, 23.3487, 42.2932

Deuteranopia

23.9435, 23.3802, 49.1498



Tritanopia

16.8479, 23.6830, 36.4842

Trichromacy



Original Color

18.5689, 23.6282, 47.8380

Protanomaly

19.7825, 22.3626, 44.3481

Deuteranomaly

20.2035, 22.4855, 48.6227

Tritanomaly

17.4088, 23.6575, 40.2080

Monochromacy



Original Color

18.5689, 23.6282, 47.8380

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3343, 16.3475, 25.0068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5689, 23.6282, 47.8380 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(0, 145, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 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(0, 145, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 182) }
```

Border

The CSS property to change the border of an element to XYZ 18.5689, 23.6282, 47.8380 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(0, 145, 182) }
```


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

```
.border{ border-color:rgb(0, 145, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 145, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5689, 23.6282, 47.8380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 182) }
```

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

```
.background{ background-color: rgb(0, 145,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor