

Converting Colors

XYZ(10.4087, 16.0443, 39.6037)

Have a look what the booklet for
XYZ(10.4087, 16.0443, 39.6037)
contains.

XYZ(14.7871, 18.2655, 39.7920)	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(14.7871, 18.2655,
39.7920)**

Conversions

Conversions Part 1

Format	Color
Hex	0080A8
RGB	0, 128, 168
RGB Percent	0%, 50%, 66%
CMY	0.9999, 0.4980, 0.3412
CMYK	1.00, 0.24, 0.00, 0.34
HSL	194°, 100%, 33%
HSV	194°, 100%, 66%
XYZ	14.7871, 18.2655, 39.7920
YIQ	94.2880, -89.1280, -14.6960

Conversions

Conversions Part 2

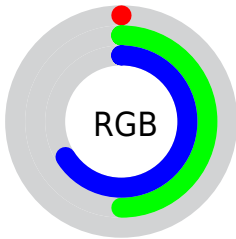
Format	Color
RYB	0, 73, 168
Decimal	32936
CIELab	49.82, -14.78, -29.51
CIELCh	50, 33.006, 243.407
Yxy	18.2655, 0.2030, 0.2507
Android (android.graphics.Color)	4278223016 (0xFF0080A8)
YUV	94.2880, 36.3400, -82.6906
Hunter-Lab	42.7382, -13.0320, -25.2861

Details

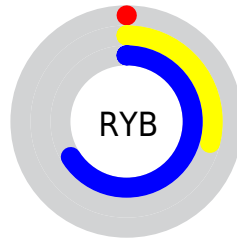
The XYZ color **14.7871, 18.2655, 39.7920** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **16.9087, 9.8449, 1.0101**, and the grayscale version is **10.6419, 11.1961, 12.1925**.

A 20% lighter version of the original color is **34.0596, 40.5491, 75.8437**, and **5.9484, 6.8529, 17.5322** is the 20% darker color. If you saturate the color by 10%, you get **14.7862, 18.2637, 39.7921**, and if you desaturate by 10%, it is **15.5477, 19.4480, 39.9805**.

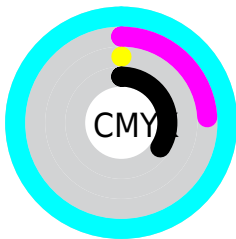
Distribution



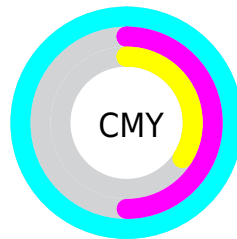
- Red (0%)
- Green (50%)
- Blue (66%)



- Red (0%)
- Yellow (29%)
- Blue (66%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (50%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7871, 18.2655, 39.7920 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 14.7871, 18.2655, 39.7920 by changing the saturation by 10% instead.

■ 14.7871, 18.2655,
39.7920

■ 14.7871, 18.2655,
39.7920

■ 215.4880,
242.3633, 360.7721

■ 8.7554, 11.1408,
27.0639

■ 34.0540, 40.4892,
76.0803

■ 4.6378, 6.1616,
17.3883

■ 48.0199, 56.3570,
100.4775

■ 2.0689, 2.9436,
10.3469

■ 65.3613, 75.9079,
129.6015

■ 0.6722, 1.1024,
5.5209

■ 86.4436, 99.5263,
163.8708

■ 0.0000, 0.0000,
2.4920

■ 111.6320,
127.5967, 203.7040

■ 0.0000, 0.0000,
0.8359

■ 141.2920,

■ 0.0000, 0.0000,

160.5034, 249.5196

0.0000

175.7889,
198.6308, 301.7361

■ 14.7871, 18.2655,
39.7920

■ 14.7871, 18.2655,
39.7920

■ 14.7862, 18.2637,
39.7921

■ 15.5477, 19.4480,
39.9805

■ 16.5202, 20.7702,
40.1845

■ 17.7835, 22.2737,
40.4081

■ 19.3728, 23.9767,
40.6531

■ 21.3180, 25.8951,
40.9208

■ 23.6456, 28.0428,
41.2127

■ 26.3793, 30.4325,
41.5299

■ 29.5411, 33.0756,
41.8734

■ 33.1511, 35.9829,
42.2443

Harmonies

Analogous

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



12.7778, 18.2655, 31.0546



14.7871, 18.2655, 39.7920



17.7234, 18.2655, 42.7278

Triad

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



14.7871, 18.2655, 39.7920



24.1393, 18.2655, 18.8745



14.2337, 18.2655, 8.6341

Complementary

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



14.7871, 18.2655, 39.7920



16.9087, 9.8449, 1.0101

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.



17.0032, 18.2655, 7.1077



14.7871, 18.2655, 39.7920



22.9263, 18.2655, 11.7817

Square

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



14.7871, 18.2655, 39.7920



23.3625, 18.2655, 28.7119



20.2171, 18.2655, 8.0562



12.4865, 18.2655, 13.0871

Rectangle

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



14.7871, 18.2655, 39.7920



19.8810, 18.2655, 40.4430



20.2171, 18.2655, 8.0562



15.0632, 18.2655, 7.8350

Sweetspot

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



14.7877, 18.2661, 39.7925



47.5648, 54.9637, 75.3272



14.3732, 28.1537, 6.6159



9.9151, 11.5891, 16.3665



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



14.7877, 18.2661, 39.7925



26.6584, 32.7956, 72.1502



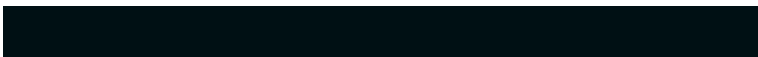
8.0001, 4.6909, 37.5299



7.5939, 8.2248, 9.6056



11.2068, 13.8737, 30.0627



0.3084, 0.4091, 0.7434

Inverse Universe

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



20.0454, 9.8842, 21.2739



36.2858, 17.8995, 38.1385



23.2578, 22.5430, 3.1264



7.7644, 7.6356, 9.0764



15.1573, 7.4716, 16.1715



0.3868, 0.1890, 0.4885

Previews

White Background



This preview shows how the XYZ color 14.7871, 18.2655, 39.7920 looks on a white 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

Black Background



This preview shows how the XYZ color 14.7871, 18.2655, 39.7920 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

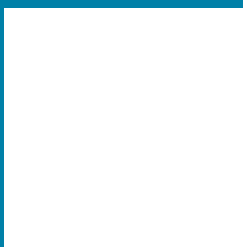
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.7871, 18.2655, 39.7920

Background



This preview shows how black text looks on a background with the XYZ color 14.7871, 18.2655, 39.7920.

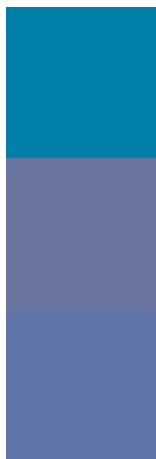


This preview shows how white text looks on a background with the XYZ color 14.7871, 18.2655,

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

14.7871, 18.2655, 39.7920

Protanopia

18.5632, 18.2900, 35.3528

Deuteranopia

18.6417, 18.2042, 41.0593



Tritanopia

12.9240, 18.1557, 28.0225

Trichromacy



Original Color

14.7871, 18.2655, 39.7920

Protanomaly

15.6737, 17.4767, 36.7297

Deuteranomaly

16.0797, 17.6012, 40.5801

Tritanomaly

13.5685, 18.1996, 32.0759

Monochromacy



Original Color

14.7871, 18.2655, 39.7920

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.4687, 12.6492, 19.9789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7871, 18.2655, 39.7920 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, 128, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 168)  
}
```

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, 128, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 168) }
```

Border

The CSS property to change the border of an element to XYZ 14.7871, 18.2655, 39.7920 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, 128, 168) }
```


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

```
.border{ border-color:rgb(0, 128, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7871, 18.2655, 39.7920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 168) }
```

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

```
.background{ background-color: rgb(0, 128,  
168) }
```

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