

Converting Colors

XYZ(15.8700, 20.1443, 40.7807)

Have a look what the booklet for
XYZ(15.8700, 20.1443, 40.7807)
contains.

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Color

**XYZ(15.8755, 20.2183,
40.6019)**

Conversions

Conversions Part 1

Format	Color
Hex	0487A9
RGB	4, 135, 169
RGB Percent	2%, 53%, 66%
CMY	0.9842, 0.4706, 0.3373
CMYK	0.98, 0.20, 0.00, 0.34
HSL	192°, 95%, 34%
HSV	192°, 98%, 66%
XYZ	15.8755, 20.2183, 40.6019
YIQ	99.7070, -88.9900, -17.1980

Conversions

Conversions Part 2

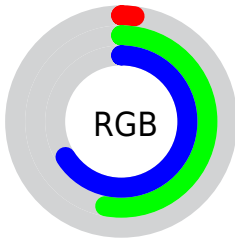
Format	Color
RYB	4, 77, 169
Decimal	296873
CIELab	52.08, -18.10, -26.57
CIELCh	52, 32.151, 235.733
Yxy	20.2183, 0.2070, 0.2636
Android (android.graphics.Color)	4278486953 (0xFF0487A9)
YUV	99.7070, 34.1614, -83.9350
Hunter-Lab	44.9648, -15.6662, -22.0618

Details

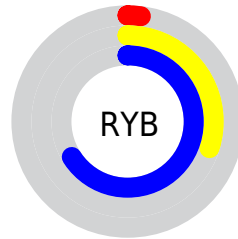
The XYZ color **15.8755, 20.2183, 40.6019** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **17.0787, 9.8324, 1.1136**, and the grayscale version is **11.9736, 12.5971, 13.7183**.

A 20% lighter version of the original color is **35.8514, 43.6236, 77.0516**, and **6.4594, 7.7814, 17.9911** is the 20% darker color. If you saturate the color by 10%, you get **15.7101, 19.9618, 40.5615**, and if you desaturate by 10%, it is **16.6276, 21.3396, 40.7791**.

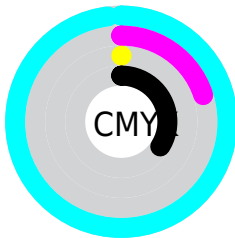
Distribution



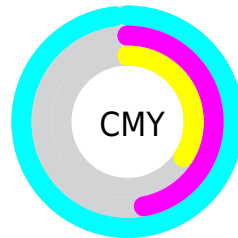
- Red (2%)
- Green (53%)
- Blue (66%)



- Red (2%)
- Yellow (30%)
- Blue (66%)



- Cyan (98%)
- Magenta (20%)
- Yellow (0%)
- Black (34%)



- Cyan (98%)
- Magenta (47%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8755, 20.2183, 40.6019 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 15.8755, 20.2183, 40.6019 by changing the saturation by 10% instead.

■ 15.8755, 20.2183,
40.6019

■ 15.8755, 20.2183,
40.6019

■ 221.8908,
253.0945, 364.2812

■ 9.5264, 12.5538,
27.6908

■ 35.9411, 43.7829,
77.3263

■ 5.1459, 7.1220,
17.8557

■ 50.3883, 60.4518,
101.9766

■ 2.3688, 3.5385,
10.6781

■ 68.2657, 80.8909,
131.3772

■ 0.8295, 1.4189,
5.7394

■ 89.9384, 105.4847,
165.9464

■ 0.0000, 0.2306,
2.6210

■ 115.7719,
134.6176, 206.1029

■ 0.0000, 0.0000,
0.9033

■ 146.1316,

■ 0.0000, 0.0000,

168.6739, 252.2652

0.0000

181.3828,
208.0381, 304.8518

■ 15.8755, 20.2183,
40.6019

■ 15.8755, 20.2183,
40.6019

■ 15.7101, 19.9618,
40.5615

■ 16.6276, 21.3396,
40.7791

■ 17.6230, 22.6099,
40.9718

■ 18.9170, 24.0582,
41.1832

■ 20.5439, 25.7023,
41.4148

■ 22.5329, 27.5576,
41.6680

■ 24.9102, 29.6377,
41.9443

■ 27.6992, 31.9549,
42.2445

■ 30.9218, 34.5208,
42.5699

■ 34.5979, 37.3457,
42.9214

Harmonies

Analogous

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



14.0703, 20.2183, 30.8388



15.8755, 20.2183, 40.6019



18.7507, 20.2183, 45.4281

Triad

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



15.8755, 20.2183, 40.6019



26.2285, 20.2183, 23.3879



16.6030, 20.2183, 9.4093

Complementary

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



15.8755, 20.2183, 40.6019



17.0787, 9.8324, 1.1136

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.



19.6907, 20.2183, 8.4542



15.8755, 20.2183, 40.6019



25.4865, 20.2183, 15.0576

Square

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



15.8755, 20.2183, 40.6019



24.9234, 20.2183, 33.8505



22.9970, 20.2183, 10.1939



14.4556, 20.2183, 13.3194

Rectangle

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



15.8755, 20.2183, 40.6019



20.9808, 20.2183, 44.4185



22.9970, 20.2183, 10.1939



17.5547, 20.2183, 8.7901

Sweetspot

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



15.8762, 20.2190, 40.6024



48.5964, 56.4041, 75.5509



14.5730, 28.5360, 6.4925



10.1399, 11.9199, 16.4185



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.



15.8762, 20.2190, 40.6024



27.9816, 35.4420, 72.5913



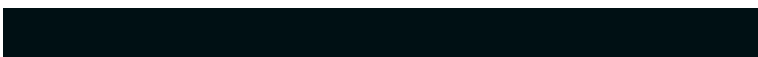
8.5092, 5.4849, 38.1467



7.6143, 8.2656, 9.6124



11.7475, 14.9552, 30.2430



0.3181, 0.4283, 0.7466

Inverse Universe

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



20.7794, 10.2720, 23.8097



36.9537, 18.1666, 41.6556



23.0423, 21.7596, 3.1014



7.7747, 7.6397, 9.1307



15.4302, 7.5808, 17.6087



0.3917, 0.1910, 0.5141

Previews

White Background



This preview shows how the XYZ color 15.8755, 20.2183, 40.6019 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 15.8755, 20.2183, 40.6019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

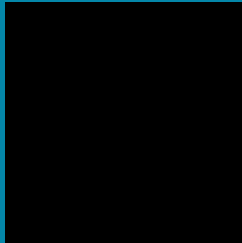
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8755, 20.2183, 40.6019

Background



This preview shows how black text looks on a background with the XYZ color 15.8755, 20.2183, 40.6019.

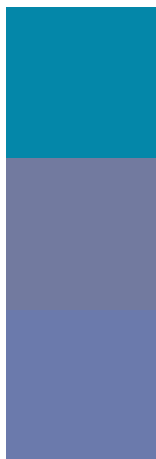


This preview shows how white text looks on a background with the XYZ color 15.8755, 20.2183,

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

15.8755, 20.2183, 40.6019

Protanopia

20.1570, 19.9997, 35.5988

Deuteranopia

20.4693, 20.0234, 41.8158



Tritanopia

14.4338, 20.3151, 31.1774

Trichromacy



Original Color

15.8755, 20.2183, 40.6019

Protanomaly

17.0243, 19.2789, 37.4743

Deuteranomaly

17.4658, 19.4211, 41.3562

Tritanomaly

14.9589, 20.2981, 34.5820

Monochromacy



Original Color

15.8755, 20.2183, 40.6019

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.7868, 14.4147, 21.5631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8755, 20.2183, 40.6019 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(4, 135, 169)` looks like.

```
.text, #text, p{  
    color:rgb(4, 135, 169)  
}
```

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(4, 135, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 135, 169) }
```

Border

The CSS property to change the border of an element to XYZ 15.8755, 20.2183, 40.6019 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(4, 135, 169) }
```


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

```
.border{ border-color:rgb(4, 135, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 135, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 135, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 135, 169);  
box-shadow:4px 4px 4px 4px rgb(4, 135,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8755, 20.2183, 40.6019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 135, 169) }
```

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

```
.background{ background-color: rgb(4, 135,  
169) }
```

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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