

Converting Colors

XYZ(17.7461, 19.4275, 54.9437)

Have a look what the booklet for
XYZ(17.7461, 19.4275, 54.9437)
contains.

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Color

**XYZ(17.7831, 19.4755,
55.0464)**

Conversions

Conversions Part 1

Format	Color
Hex	0880C4
RGB	8, 128, 196
RGB Percent	3%, 50%, 77%
CMY	0.9685, 0.4980, 0.2314
CMYK	0.96, 0.35, 0.00, 0.23
HSL	202°, 92%, 40%
HSV	202°, 96%, 77%
XYZ	17.7831, 19.4755, 55.0464
YIQ	99.8720, -93.3480, -4.2920

Conversions

Conversions Part 2

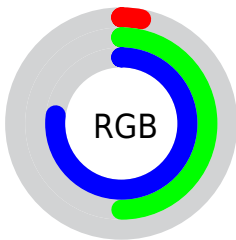
Format	Color
R_{YB}	8, 81, 196
Decimal	557252
CIE _{Lab}	51.24, -3.85, -43.40
CIE _{LCh}	51, 43.567, 264.931
Yxy	19.4755, 0.1927, 0.2110
Android (android.graphics.Color)	4278747332 (0xFF0880C4)
YUV	99.8720, 47.3911, -80.5717
Hunter-Lab	44.1311, -5.3008, -43.0630

Details

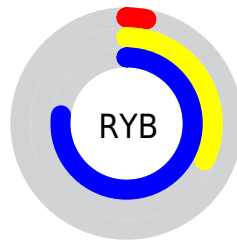
The XYZ color **17.7831, 19.4755, 55.0464** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **25.3963, 16.9278, 2.1597**, and the grayscale version is **11.9841, 12.6082, 13.7303**.

A 20% lighter version of the original color is **39.0879, 42.3310, 99.0391**, and **7.6785, 7.5450, 26.6428** is the 20% darker color. If you saturate the color by 10%, you get **17.3092, 18.6762, 54.9175**, and if you desaturate by 10%, it is **19.1098, 21.5810, 55.3833**.

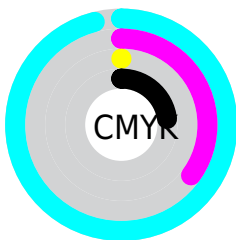
Distribution



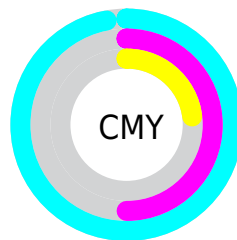
- Red (3%)
- Green (50%)
- Blue (77%)



- Red (3%)
- Yellow (32%)
- Blue (77%)



- Cyan (96%)
- Magenta (35%)
- Yellow (0%)
- Black (23%)



- Cyan (97%)
- Magenta (50%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7831, 19.4755, 55.0464 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 17.7831, 19.4755, 55.0464 by changing the saturation by 10% instead.

■ 17.7831, 19.4755,
55.0464

■ 17.7831, 19.4755,
55.0464

■ 232.7149,
249.0614, 423.3747

■ 10.8931, 12.0144,
39.0400

■ 39.2004, 42.5361,
99.0808

■ 6.0618, 6.7535,
26.4828

■ 54.4584, 58.9043,
127.9458

■ 2.9237, 3.3084,
16.9562

■ 73.2364, 79.0103,
161.9342

■ 1.1135, 1.2948,
10.0416

■ 95.8999, 103.2385,
201.4644

■ 0.0364, 0.1372,
5.3206

■ 122.8141,
131.9733, 246.9551

■ 0.0000, 0.0000,
2.3746

■ 154.3445,

■ 0.0000, 0.0000,

165.5991, 298.8246

0.7725

190.8563,
204.5004, 357.4917

■ 0.0000, 0.0000,
0.0000

■ 17.7831, 19.4755,
55.0464

■ 17.7831, 19.4755,
55.0464

■ 17.3092, 18.6762,
54.9175

■ 19.1098, 21.5810,
55.3833

■ 20.8475, 23.9961,
55.7579

■ 23.0585, 26.7548,
56.1738

■ 25.7920, 29.8844,
56.6338

■ 29.0907, 33.4086,
57.1402

■ 32.9925, 37.3485,
57.6951

■ 37.5316, 41.7237,
58.3003

■ 42.7399, 46.5519,
58.9577

■ 48.6466, 51.8501,
59.6691

Harmonies

Analogous

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



14.1169, 19.4755, 47.4087



17.7831, 19.4755, 55.0464



22.2574, 19.4755, 51.1126

Triad

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



17.7831, 19.4755, 55.0464



27.1596, 19.4755, 12.6399



12.4846, 19.4755, 10.2217

Complementary

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



17.7831, 19.4755, 55.0464



25.3963, 16.9278, 2.1597

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.



15.2103, 19.4755, 6.0747



17.7831, 19.4755, 55.0464



23.7334, 19.4755, 7.0396

Square

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



17.7831, 19.4755, 55.0464



28.1333, 19.4755, 23.3886



19.2582, 19.4755, 5.1936



11.3786, 19.4755, 19.1626

Rectangle

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



17.7831, 19.4755, 55.0464



25.0547, 19.4755, 43.0334



19.2582, 19.4755, 5.1936



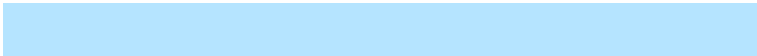
13.2189, 19.4755, 8.3838

Sweetspot

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



17.7839, 19.4761, 55.0469



64.9291, 72.6725, 105.2128



21.0709, 40.0241, 13.0628



13.1430, 14.8254, 22.4188



0.0000, 0.0000, 0.0000



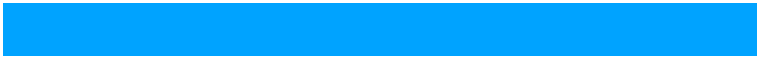
20.3446, 21.4041, 23.3091

Same Dimension

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



17.7839, 19.4761, 55.0469



31.1024, 33.3248, 99.4008



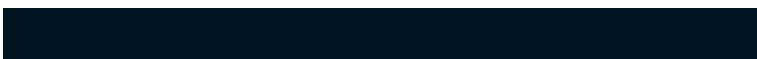
10.7025, 5.3134, 52.6865



10.0522, 10.7957, 12.8388



11.2059, 12.1683, 35.3147



0.5477, 0.6528, 1.5470

Inverse Universe

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



26.7488, 13.4689, 21.6125



47.8282, 23.8953, 36.6232



36.7761, 39.6874, 5.9530



10.3376, 10.1837, 11.8685



17.0522, 8.5106, 13.4528



0.7688, 0.3805, 0.7501

Previews

White Background



This preview shows how the XYZ color 17.7831, 19.4755, 55.0464 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 17.7831, 19.4755, 55.0464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

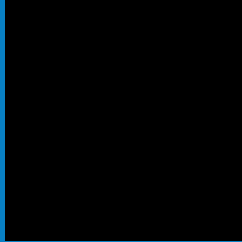
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.7831, 19.4755, 55.0464

Background



This preview shows how black text looks on a background with the XYZ color 17.7831, 19.4755, 55.0464.



This preview shows how white text looks on a background with the XYZ color 17.7831, 19.4755,

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

17.7831, 19.4755, 55.0464

Protanopia

20.4978, 19.3113, 50.2241

Deuteranopia

19.9392, 19.4461, 55.5259



Tritanopia

13.7748, 19.3723, 29.8013

Trichromacy



Original Color

17.7831, 19.4755, 55.0464

Protanomaly

18.4779, 18.7706, 51.9394

Deuteranomaly

18.6509, 19.1503, 55.5367

Tritanomaly

14.9897, 19.2022, 38.0383

Monochromacy



Original Color

17.7831, 19.4755, 55.0464

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2638, 14.0944, 24.9958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7831, 19.4755, 55.0464 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(8, 128, 196)` looks like.

```
.text, #text, p{  
    color:rgb(8, 128, 196)  
}
```

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(8, 128, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 128, 196) }
```

Border

The CSS property to change the border of an element to XYZ 17.7831, 19.4755, 55.0464 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(8, 128, 196) }
```


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

```
.border{ border-color:rgb(8, 128, 196) }
```

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

Here you see how a box with a 4 pixel rgb(8, 128, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 128, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 128, 196);  
box-shadow:4px 4px 4px 4px rgb(8, 128,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7831, 19.4755, 55.0464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 128, 196) }
```

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

```
.background{ background-color: rgb(8, 128,  
196) }
```

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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