

Converting Colors

XYZ(19.6475, 19.6508, 56.1835)

Have a look what the booklet for
XYZ(19.6475, 19.6508, 56.1835)
contains.

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Color

**XYZ(19.6475, 19.6508,
56.1835)**

Conversions

Conversions Part 1

Format	Color
Hex	427CC6
RGB	66, 124, 198
RGB Percent	26%, 49%, 78%
CMY	0.7411, 0.5137, 0.2235
CMYK	0.67, 0.37, 0.00, 0.22
HSL	214°, 54%, 52%
HSV	214°, 67%, 78%
XYZ	19.6475, 19.6508, 56.1835
YIQ	115.0940, -58.3220, 10.7180

Conversions

Conversions Part 2

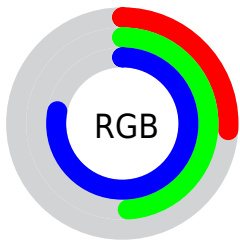
Format	Color
R _Y B	66, 106, 198
Decimal	4357318
CIE Lab	51.44, 4.95, -44.14
CIE LCh	51, 44.416, 276.396
Yxy	19.6508, 0.2058, 0.2058
Android (android.graphics.Color)	4282547398 (0xFF427CC6)
YUV	115.0940, 40.8727, -43.0554
Hunter-Lab	44.3292, 1.5382, -44.1145

Details

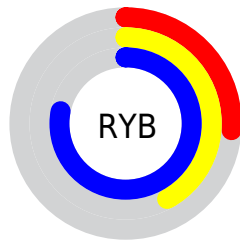
The XYZ color **19.6475, 19.6508, 56.1835** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **33.6517, 31.1577, 9.3959**, and the grayscale version is **16.2178, 17.0624, 18.5809**.

A 20% lighter version of the original color is **42.3277, 42.7827, 100.6347**, and **7.6185, 7.1825, 27.3704** is the 20% darker color. If you saturate the color by 10%, you get **17.2233, 16.4511, 55.6941**, and if you desaturate by 10%, it is **22.6915, 23.4030, 56.7477**.

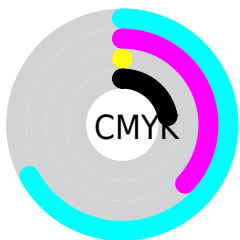
Distribution



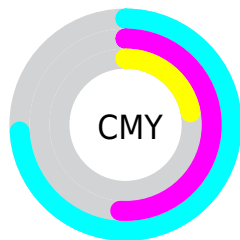
- Red (26%)
- Green (49%)
- Blue (78%)



- Red (26%)
- Yellow (42%)
- Blue (78%)



- Cyan (67%)
- Magenta (37%)
- Yellow (0%)
- Black (22%)



- Cyan (74%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6475, 19.6508, 56.1835 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 19.6475, 19.6508, 56.1835 by changing the saturation by 10% instead.

■ 19.6475, 19.6508,
56.1835

■ 19.6475, 19.6508,
56.1835

242.8705,
250.0184, 427.7904

■ 12.2458, 12.1415,
39.9451

■ 42.3339, 42.8309,
100.7613

■ 6.9847, 6.8401,
27.1823

■ 58.3493, 59.2705,
129.9378

■ 3.4988, 3.3623,
17.4765

■ 77.9667, 79.4557,
164.2640

■ 1.4227, 1.3237,
10.4093

■ 101.5514,
103.7708, 204.1585

■ 0.2723, 0.1594,
5.5620

■ 129.4687,
132.6002, 250.0399

■ 0.0000, 0.0000,
2.5162

162.0842,

■ 0.0000, 0.0000,

166.3283, 302.3266

0.8487

199.7629,
205.3396, 361.4373

■ 0.0000, 0.0000,
0.0000

■ 19.6475, 19.6508,
56.1835

■ 19.6475, 19.6508,
56.1835

■ 17.2233, 16.4511,
55.6941

■ 22.6915, 23.4030,
56.7477

■ 15.3614, 13.7658,
55.2739

■ 26.4007, 27.7378,
57.3889

■ 13.9913, 11.5508,
54.9186

■ 30.8186, 32.6847,
58.1109

■ 13.6009, 10.8928,
54.8121

■ 35.9842, 38.2705,
58.9168

■ 41.9333, 44.5202,
59.8096

■ 48.6993, 51.4572,
60.7920

■ 56.3136, 59.1037,
61.8666

■ 64.8059, 67.4809,
63.0359

■ 74.2044, 76.6088,
64.3025

Harmonies

Analogous

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



15.4548, 19.6508, 52.6462



19.6475, 19.6508, 56.1835



24.2320, 19.6508, 47.8235

Triad

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



19.6475, 19.6508, 56.1835



26.4513, 19.6508, 9.8960



11.8795, 19.6508, 13.0035

Complementary

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



19.6475, 19.6508, 56.1835



33.6517, 31.1577, 9.3959

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.



14.0441, 19.6508, 7.1063



19.6475, 19.6508, 56.1835



22.3197, 19.6508, 5.8753

Square

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



19.6475, 19.6508, 56.1835



28.5430, 19.6508, 18.7797



17.7400, 19.6508, 5.1090



11.3958, 19.6508, 24.2455

Rectangle

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



19.6475, 19.6508, 56.1835



26.7541, 19.6508, 38.0379



17.7400, 19.6508, 5.1090



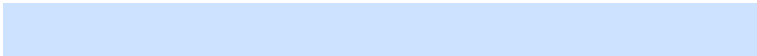
12.4158, 19.6508, 10.4928

Sweetspot

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



19.6483, 19.6514, 56.1840



70.2592, 74.6721, 105.3178



27.0729, 43.3995, 31.2248



14.3957, 15.3077, 22.4459



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.



19.6483, 19.6514, 56.1840



28.8858, 26.8649, 98.2707



14.8599, 9.3758, 54.4530



10.4337, 11.0415, 13.4988



8.9271, 7.2482, 35.6729



0.4945, 0.4869, 1.7131

Inverse Universe

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



28.8758, 17.3585, 20.8979



47.2041, 25.5398, 27.4973



42.7647, 51.9103, 12.9213



10.8242, 10.7131, 12.0575



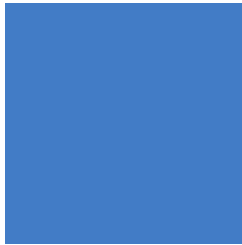
16.3053, 8.2717, 6.8177



0.8083, 0.4062, 0.5138

Previews

White Background



This preview shows how the XYZ color 19.6475, 19.6508, 56.1835 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 19.6475, 19.6508, 56.1835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

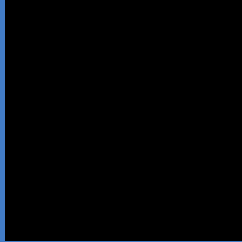
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6475, 19.6508, 56.1835

Background



This preview shows how black text looks on a background with the XYZ color 19.6475, 19.6508, 56.1835.

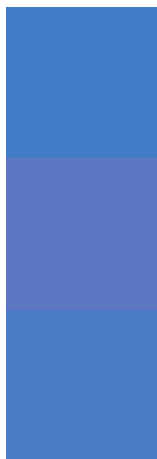


This preview shows how white text looks on a background with the XYZ color 19.6475, 19.6508,

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

19.6475, 19.6508, 56.1835

Protanopia

20.9505, 19.4684, 53.6925

Deuteranopia

20.0542, 19.4921, 56.1315



Tritanopia

14.4479, 19.7103, 30.2371

Trichromacy



Original Color

19.6475, 19.6508, 56.1835

Protanomaly

20.3439, 19.4997, 54.3213

Deuteranomaly

19.9485, 19.6209, 56.1619

Tritanomaly

15.9465, 19.4847, 38.5178

Monochromacy



Original Color

19.6475, 19.6508, 56.1835

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.5190, 17.5426, 29.3035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6475, 19.6508, 56.1835 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(66, 124, 198)` looks like.

```
.text, #text, p{  
    color:rgb(66, 124, 198)  
}
```

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(66, 124, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 124, 198) }
```

Border

The CSS property to change the border of an element to XYZ 19.6475, 19.6508, 56.1835 is called "border". The border property can be set on classes, ids or directly on the HTML element.

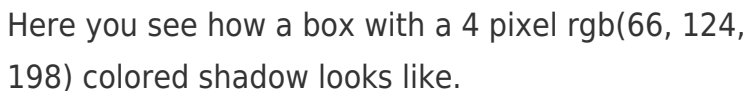
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(66, 124, 198) }
```


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

```
.border{ border-color:rgb(66, 124, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(66, 124, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(66, 124, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(66, 124, 198); box-shadow:4px 4px 4px 4px rgb(66, 124, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6475, 19.6508, 56.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 124, 198) }
```

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

```
.background{ background-color: rgb(66, 124,  
198) }
```

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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