

Converting Colors

XYZ(19.7310, 19.8644, 55.7818)

Have a look what the booklet for
XYZ(19.7310, 19.8644, 55.7818)
contains.

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Color

**XYZ(19.7264, 19.8917,
55.6231)**

Conversions

Conversions Part 1

Format	Color
Hex	437DC5
RGB	67, 125, 197
RGB Percent	26%, 49%, 77%
CMY	0.7372, 0.5098, 0.2274
CMYK	0.66, 0.37, 0.00, 0.23
HSL	213°, 53%, 52%
HSV	213°, 66%, 77%
XYZ	19.7264, 19.8917, 55.6231
YIQ	115.8660, -57.6800, 10.0960

Conversions

Conversions Part 2

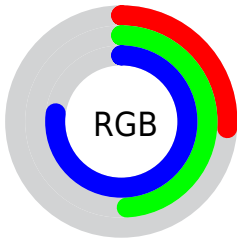
Format	Color
R_{YB}	67, 107, 197
Decimal	4423109
CIE _{Lab}	51.71, 4.16, -43.13
CIE _{LCh}	52, 43.331, 275.509
Yxy	19.8917, 0.2071, 0.2089
Android (android.graphics.Color)	4282613189 (0xFF437DC5)
YUV	115.8660, 39.9991, -42.8555
Hunter-Lab	44.6001, 0.8994, -42.7235

Details

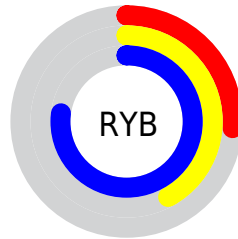
The XYZ color **19.7264, 19.8917, 55.6231** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **33.2732, 30.7431, 9.4918**, and the grayscale version is **16.4545, 17.3114, 18.8521**.

A 20% lighter version of the original color is **42.3639, 43.1121, 99.8546**, and **7.6118, 7.2909, 26.9927** is the 20% darker color. If you saturate the color by 10%, you get **17.2921, 16.6978, 55.1353**, and if you desaturate by 10%, it is **22.7732, 23.6272, 56.1839**.

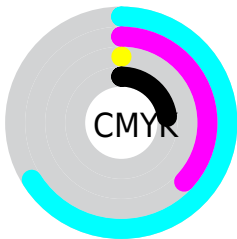
Distribution



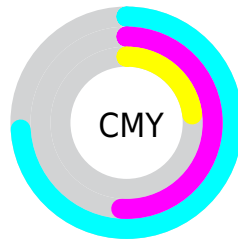
- Red (26%)
- Green (49%)
- Blue (77%)



- Red (26%)
- Yellow (42%)
- Blue (77%)



- Cyan (66%)
- Magenta (37%)
- Yellow (0%)
- Black (23%)



- Cyan (74%)
- Magenta (51%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7264, 19.8917, 55.6231 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 19.7264, 19.8917, 55.6231 by changing the saturation by 10% instead.

■ 19.7264, 19.8917,
55.6231

■ 19.7264, 19.8917,
55.6231

243.2920,
251.3282, 425.6179

■ 12.3034, 12.3163,
39.4989

■ 42.4654, 43.2355,
99.9336

■ 7.0243, 6.9595,
26.8372

■ 58.5122, 59.7728,
128.9569

■ 3.5238, 3.4368,
17.2196

■ 78.1643, 80.0662,
163.1170

■ 1.4364, 1.3638,
10.2276

■ 101.7871,
104.5000, 202.8324

■ 0.2820, 0.1898,
5.4426

■ 129.7459,
133.4588, 248.5216

■ 0.0000, 0.0000,
2.4460

162.4061,

■ 0.0000, 0.0000,

167.3268, 300.6033

0.8113

200.1330,
206.4885, 359.4959

■ 0.0000, 0.0000,
0.0000

■ 19.7264, 19.8917,
55.6231

■ 19.7264, 19.8917,
55.6231

■ 17.2921, 16.6978,
55.1353

■ 22.7732, 23.6272,
56.1839

■ 15.4144, 14.0087,
54.7153

■ 26.4770, 27.9332,
56.8199

■ 14.0274, 11.7829,
54.3587

■ 30.8800, 32.8386,
57.5347

■ 13.5586, 10.9922,
54.2308

■ 36.0204, 38.3693,
58.3313

■ 41.9333, 44.5495,
59.2125

■ 48.6513, 51.4020,
60.1811

■ 56.2052, 58.9483,
61.2396

■ 64.6241, 67.2090,
62.3903

■ 73.9355, 76.2036,
63.6357

Harmonies

Analogous

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



15.6261, 19.8917, 51.8514



19.7264, 19.8917, 55.6231



24.2312, 19.8917, 47.8178

Triad

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



19.7264, 19.8917, 55.6231



26.6227, 19.8917, 10.4542



12.2322, 19.8917, 13.1207

Complementary

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



19.7264, 19.8917, 55.6231



33.2732, 30.7431, 9.4918

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.



14.4252, 19.8917, 7.3615



19.7264, 19.8917, 55.6231



22.6165, 19.8917, 6.2906

Square

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



19.7264, 19.8917, 55.6231



28.5877, 19.8917, 19.4251



18.1096, 19.8917, 5.4303



11.7024, 19.8917, 24.0572

Rectangle

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



19.7264, 19.8917, 55.6231



26.7306, 19.8917, 38.3862



18.1096, 19.8917, 5.4303



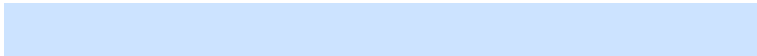
12.7808, 19.8917, 10.6715

Sweetspot

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



19.7272, 19.8924, 55.6236



70.3533, 74.8602, 105.3492



26.9057, 42.9760, 31.1136



14.4182, 15.3525, 22.4534



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.



19.7272, 19.8924, 55.6236



29.4333, 27.7638, 98.4154



14.8720, 9.4829, 53.8703



10.4397, 11.0535, 13.5008



8.9987, 7.3914, 35.6968



0.4981, 0.4940, 1.7142

Inverse Universe

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



28.7355, 17.3664, 21.2400



47.5283, 25.8526, 28.6397



42.3403, 51.3499, 12.9914



10.8272, 10.7143, 12.0734



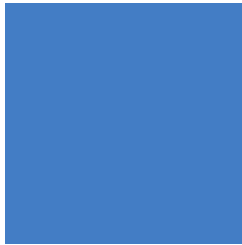
16.3415, 8.2862, 7.0081



0.8101, 0.4069, 0.5232

Previews

White Background



This preview shows how the XYZ color 19.7264, 19.8917, 55.6231 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 19.7264, 19.8917, 55.6231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

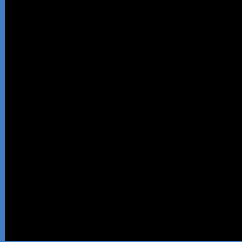
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7264, 19.8917, 55.6231

Background



This preview shows how black text looks on a background with the XYZ color 19.7264, 19.8917, 55.6231.



This preview shows how white text looks on a background with the XYZ color 19.7264, 19.8917,

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

19.7264, 19.8917, 55.6231

Protanopia

21.1660, 19.7700, 53.1525

Deuteranopia

20.3855, 19.8594, 55.5821



Tritanopia

14.5798, 19.7783, 30.2433

Trichromacy



Original Color

19.7264, 19.8917, 55.6231

Protanomaly

20.4435, 19.7454, 53.7727

Deuteranomaly

20.1873, 19.9424, 55.6086

Tritanomaly

16.0801, 19.5535, 38.5240

Monochromacy



Original Color

19.7264, 19.8917, 55.6231

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.7447, 17.8347, 29.3480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7264, 19.8917, 55.6231 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(67, 125, 197)` looks like.

```
.text, #text, p{  
    color:rgb(67, 125, 197)  
}
```

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(67, 125, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 125, 197) }
```

Border

The CSS property to change the border of an element to XYZ 19.7264, 19.8917, 55.6231 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(67, 125, 197) }
```


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

```
.border{ border-color:rgb(67, 125, 197) }
```

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

Here you see how a box with a 4 pixel rgb(67, 125, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 125, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 125, 197);  
box-shadow:4px 4px 4px 4px rgb(67, 125,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7264, 19.8917, 55.6231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 125, 197) }
```

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

```
.background{ background-color: rgb(67, 125,  
197) }
```

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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