

Converting Colors

XYZ(18.7225, 19.5660, 56.7618)

Have a look what the booklet for
XYZ(18.7225, 19.5660, 56.7618)
contains.

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Color

**XYZ(18.7245, 19.5375,
56.8171)**

Conversions

Conversions Part 1

Format	Color
Hex	2A7EC7
RGB	42, 126, 199
RGB Percent	16%, 49%, 78%
CMY	0.8352, 0.5059, 0.2196
CMYK	0.79, 0.37, 0.00, 0.22
HSL	208°, 65%, 47%
HSV	208°, 79%, 78%
XYZ	18.7245, 19.5375, 56.8171
YIQ	109.2060, -73.4970, 4.8950

Conversions

Conversions Part 2

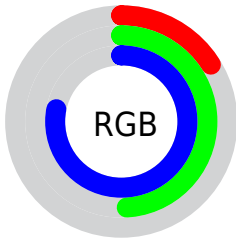
Format	Color
R_{YB}	42, 97, 199
Decimal	2784967
CIE Lab	51.31, 0.80, -44.96
CIE LCh	51, 44.971, 271.024
Yxy	19.5375, 0.1969, 0.2055
Android (android.graphics.Color)	4280975047 (0xFF2A7EC7)
YUV	109.2060, 44.2684, -58.9397
Hunter-Lab	44.2012, -1.7361, -45.2716

Details

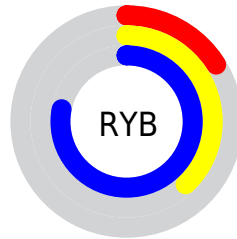
The XYZ color **18.7245, 19.5375, 56.8171** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **30.1036, 24.5736, 5.3482**, and the grayscale version is **14.4888, 15.2433, 16.6000**.

A 20% lighter version of the original color is **40.5259, 42.4403, 100.6636**, and **7.8352, 7.4931, 27.8214** is the 20% darker color. If you saturate the color by 10%, you get **16.9742, 16.9593, 56.4121**, and if you desaturate by 10%, it is **20.9896, 22.5440, 57.2785**.

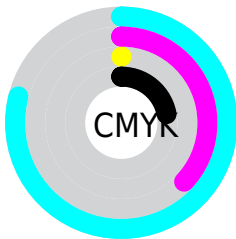
Distribution



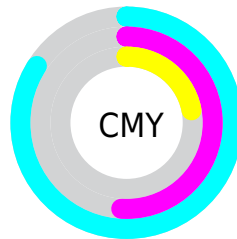
- Red (16%)
- Green (49%)
- Blue (78%)



- Red (16%)
- Yellow (38%)
- Blue (78%)



- Cyan (79%)
- Magenta (37%)
- Yellow (0%)
- Black (22%)



- Cyan (84%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7245, 19.5375, 56.8171 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 18.7245, 19.5375, 56.8171 by changing the saturation by 10% instead.

■ 18.7245, 19.5375,
56.8171

■ 18.7245, 19.5375,
56.8171

237.8910,
249.4002, 430.2381

■ 11.5742, 12.0593,
40.4500

■ 40.7885, 42.6404,
101.6959

■ 6.5246, 6.7841,
27.5731

■ 56.4330, 59.0339,
131.0448

■ 3.2103, 3.3274,
17.7679

■ 75.6395, 79.1679,
165.5580

■ 1.2659, 1.3050,
10.6158

■ 98.7735, 103.4269,
205.6541

■ 0.1575, 0.1450,
5.6982

■ 126.2003,
132.1952, 251.7516

■ 0.0000, 0.0000,
2.5966

158.2852,

■ 0.0000, 0.0000,

165.8573, 304.2691

0.8907

195.3937,
204.7975, 363.6251

■ 0.0000, 0.0000,
0.0000

■ 18.7245, 19.5375,
56.8171

■ 18.7245, 19.5375,
56.8171

■ 16.9742, 16.9593,
56.4121

■ 20.9896, 22.5440,
57.2785

■ 15.6460, 14.7566,
56.0570

■ 23.8227, 26.0099,
57.7981

■ 15.5111, 14.5279,
56.0199

■ 27.2722, 29.9643,
58.3796

■ 31.3801, 34.4328,
59.0256

■ 36.1846, 39.4389,
59.7386

■ 41.7205, 45.0042,
60.5211

■ 48.0204, 51.1491,
61.3751

■ 55.1147, 57.8928,
62.3029

■ 63.0321, 65.2534,
63.3063

Harmonies

Analogous

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



14.6928, 19.5375, 51.0707



18.7245, 19.5375, 56.8171



23.3853, 19.5375, 50.2827

Triad

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



18.7245, 19.5375, 56.8171



26.9962, 19.5375, 10.9033



11.9936, 19.5375, 11.4007

Complementary

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



18.7245, 19.5375, 56.8171



30.1036, 24.5736, 5.3482

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.



14.4654, 19.5375, 6.3388



18.7245, 19.5375, 56.8171



23.0751, 19.5375, 6.1437

Square

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



18.7245, 19.5375, 56.8171



28.6108, 19.5375, 20.8343



18.4160, 19.5375, 4.8894



11.2049, 19.5375, 21.7179

Rectangle

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



18.7245, 19.5375, 56.8171



26.1243, 19.5375, 40.9281



18.4160, 19.5375, 4.8894



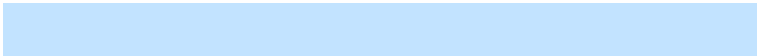
12.6332, 19.5375, 9.2010

Sweetspot

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



18.7253, 19.5381, 56.8176



67.5908, 73.3509, 105.2035



24.3403, 42.5243, 22.4469



13.7402, 14.9636, 22.4140



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.



18.7253, 19.5381, 56.8176



27.9381, 26.7552, 98.2995



12.3989, 6.8855, 54.7088



10.5187, 11.2114, 13.5271



10.0623, 9.5186, 36.0513



0.5484, 0.5947, 1.7310

Inverse Universe

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



28.1478, 15.3054, 21.2098



46.2899, 23.5051, 27.8280



42.6354, 49.6371, 9.5254



10.8671, 10.7302, 12.2833



16.8783, 8.5009, 9.8351



0.8355, 0.4171, 0.6570

Previews

White Background



This preview shows how the XYZ color 18.7245, 19.5375, 56.8171 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 18.7245, 19.5375, 56.8171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

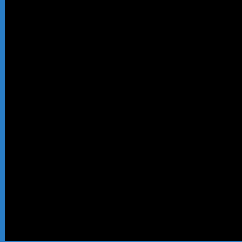
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7245, 19.5375, 56.8171

Background



This preview shows how black text looks on a background with the XYZ color 18.7245, 19.5375, 56.8171.

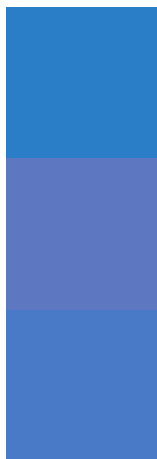


This preview shows how white text looks on a background with the XYZ color 18.7245, 19.5375,

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

18.7245, 19.5375, 56.8171

Protanopia

20.8386, 19.4236, 53.1029

Deuteranopia

20.0573, 19.4669, 57.3439



Tritanopia

13.7748, 19.3723, 29.8013

Trichromacy



Original Color

18.7245, 19.5375, 56.8171

Protanomaly

19.7115, 19.3551, 54.3267

Deuteranomaly

19.4328, 19.3281, 57.3501

Tritanomaly

15.2398, 19.3207, 38.5234

Monochromacy



Original Color

18.7245, 19.5375, 56.8171

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.7595, 16.1458, 27.9297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7245, 19.5375, 56.8171 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(42, 126, 199)` looks like.

```
.text, #text, p{  
    color:rgb(42, 126, 199)  
}
```

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(42, 126, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 126, 199) }
```

Border

The CSS property to change the border of an element to XYZ 18.7245, 19.5375, 56.8171 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(42, 126, 199) }
```


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

```
.border{ border-color:rgb(42, 126, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 126, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 126, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 126, 199);  
box-shadow:4px 4px 4px 4px rgb(42, 126,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7245, 19.5375, 56.8171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 126, 199) }
```

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

```
.background{ background-color: rgb(42, 126,  
199) }
```

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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