

Converting Colors

XYZ(18.7051, 19.1246, 57.9639)

Have a look what the booklet for
XYZ(18.7051, 19.1246, 57.9639)
contains.

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Color

**XYZ(18.7051, 19.1246,
57.9639)**

Conversions

Conversions Part 1

Format	Color
Hex	2A7CC9
RGB	42, 124, 201
RGB Percent	16%, 49%, 79%
CMY	0.8352, 0.5137, 0.2118
CMYK	0.79, 0.38, 0.00, 0.21
HSL	209°, 65%, 48%
HSV	209°, 79%, 79%
XYZ	18.7051, 19.1246, 57.9639
YIQ	108.2600, -73.5890, 6.5630

Conversions

Conversions Part 2

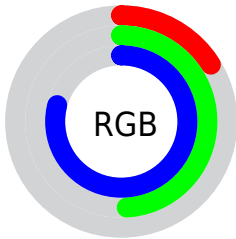
Format	Color
R_{YB}	42, 96, 201
Decimal	2784457
CIE _{Lab}	50.83, 2.76, -46.86
CIE _{LCh}	51, 46.945, 273.372
Yxy	19.1246, 0.1953, 0.1996
Android (android.graphics.Color)	4280974537 (0xFF2A7CC9)
YUV	108.2600, 45.7208, -58.1100
Hunter-Lab	43.7317, -0.1817, -47.9734

Details

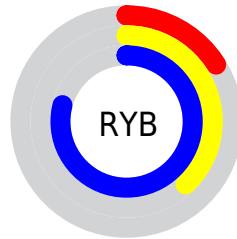
The XYZ color **18.7051, 19.1246, 57.9639** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **31.1040, 25.7814, 5.5287**, and the grayscale version is **14.2186, 14.9590, 16.2904**.

A 20% lighter version of the original color is **40.1309, 41.6502, 100.5319**, and **7.7727, 7.2442, 28.1827** is the 20% darker color. If you saturate the color by 10%, you get **16.9191, 16.4815, 57.5483**, and if you desaturate by 10%, it is **21.0250, 22.2221, 58.4399**.

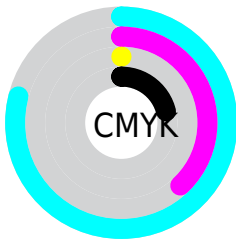
Distribution



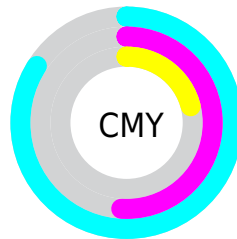
- Red (16%)
- Green (49%)
- Blue (79%)



- Red (16%)
- Yellow (38%)
- Blue (79%)



- Cyan (79%)
- Magenta (38%)
- Yellow (0%)
- Black (21%)



- Cyan (84%)
- Magenta (51%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7051, 19.1246, 57.9639 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 18.7051, 19.1246, 57.9639 by changing the saturation by 10% instead.

■ 18.7051, 19.1246,
57.9639

■ 18.7051, 19.1246,
57.9639

237.7854,
247.1358, 434.6459

■ 11.5601, 11.7603,
41.3651

■ 40.7559, 41.9445,
103.3845

■ 6.5150, 6.5807,
28.2826

■ 56.3925, 58.1690,
133.0435

■ 3.2043, 3.2013,
18.2979

■ 75.5903, 78.1157,
167.8929

■ 1.2627, 1.2377,
10.9925

■ 98.7147, 102.1689,
208.3513

■ 0.1550, 0.0922,
5.9477

■ 126.1310,
130.7132, 254.8373

■ 0.0000, 0.0000,
2.7450

158.2047,

■ 0.0000, 0.0000,

164.1328, 307.7694

0.9660

195.3010,
202.8122, 367.5660

■ 0.0000, 0.0000,
0.0000

■ 18.7051, 19.1246,
57.9639

■ 18.7051, 19.1246,
57.9639

■ 16.9191, 16.4815,
57.5483

■ 21.0250, 22.2221,
58.4399

■ 15.5694, 14.2368,
57.1862

■ 23.9342, 25.8070,
58.9786

■ 15.4583, 14.0482,
57.1556

■ 27.4826, 29.9099,
59.5835

■ 31.7139, 34.5579,
60.2576

■ 36.6675, 39.7759,
61.0037

■ 42.3798, 45.5866,
61.8242

■ 48.8843, 52.0118,
62.7216

■ 56.2126, 59.0715,
63.6980

■ 64.3944, 66.7852,
64.7556

Harmonies

Analogous

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



14.4782, 19.1246, 52.8667



18.7051, 19.1246, 57.9639



23.5170, 19.1246, 50.1293

Triad

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



18.7051, 19.1246, 57.9639



26.6546, 19.1246, 9.7267



11.3343, 19.1246, 11.3726

Complementary

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



18.7051, 19.1246, 57.9639



31.1040, 25.7814, 5.5287

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.



13.7141, 19.1246, 5.9804



18.7051, 19.1246, 57.9639



22.4583, 19.1246, 5.3521

Square

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



18.7051, 19.1246, 57.9639



28.5701, 19.1246, 19.3620



17.6596, 19.1246, 4.3488



10.6710, 19.1246, 22.3566

Rectangle

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



18.7051, 19.1246, 57.9639



26.2825, 19.1246, 39.9976



17.6596, 19.1246, 4.3488



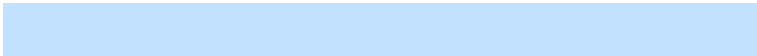
11.9376, 19.1246, 9.0308

Sweetspot

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



18.7059, 19.1252, 57.9644



67.2695, 72.7083, 105.0964



25.1634, 43.5946, 24.4961



13.6632, 14.8096, 22.3884



0.0000, 0.0000, 0.0000



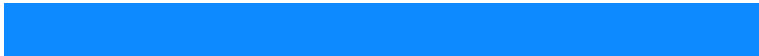
20.3446, 21.4041, 23.3091

Same Dimension

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



18.7059, 19.1252, 57.9644



27.2544, 25.3877, 98.0716



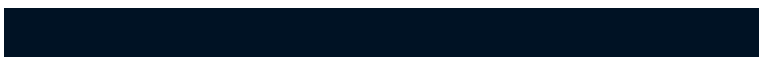
12.4236, 6.5607, 55.8703



10.5014, 11.1770, 13.5214



9.8116, 9.0171, 35.9677



0.5369, 0.5716, 1.7272

Inverse Universe

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



28.5542, 15.5297, 20.5618



45.9448, 23.3671, 26.0106



44.7801, 53.1336, 10.0873



10.8584, 10.7267, 12.2375



16.7518, 8.4503, 9.1687



0.8297, 0.4147, 0.6263

Previews

White Background



This preview shows how the XYZ color 18.7051, 19.1246, 57.9639 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 18.7051, 19.1246, 57.9639 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 18.7051, 19.1246, 57.9639

Background



This preview shows how black text looks on a background with the XYZ color 18.7051, 19.1246, 57.9639.



This preview shows how white text looks on a background with the XYZ color 18.7051, 19.1246,

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

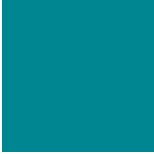
18.7051, 19.1246, 57.9639

Protanopia

20.5452, 19.0707, 54.2279

Deuteranopia

19.6780, 19.0628, 58.5195



Tritanopia

13.5591, 19.0638, 29.3506

Trichromacy



Original Color

18.7051, 19.1246, 57.9639

Protanomaly

19.5422, 18.8806, 55.4377

Deuteranomaly

19.3075, 19.0532, 58.5371

Tritanomaly

14.9712, 18.7834, 38.4338

Monochromacy



Original Color

18.7051, 19.1246, 57.9639

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.5560, 15.8724, 27.8877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7051, 19.1246, 57.9639 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, 124, 201)` looks like.

```
.text, #text, p{  
    color:rgb(42, 124, 201)  
}
```

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, 124, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 124, 201) }
```

Border

The CSS property to change the border of an element to XYZ 18.7051, 19.1246, 57.9639 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, 124, 201) }
```


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

```
.border{ border-color:rgb(42, 124, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 124, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 124, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 124, 201);  
box-shadow:4px 4px 4px 4px rgb(42, 124,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7051, 19.1246, 57.9639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 124, 201) }
```

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

```
.background{ background-color: rgb(42, 124,  
201) }
```

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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