

Converting Colors

XYZ(19.8095, 21.8828, 57.2126)

Have a look what the booklet for
XYZ(19.8095, 21.8828, 57.2126)
contains.

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Color

**XYZ(19.8095, 21.8828,
57.2126)**

Conversions

Conversions Part 1

Format	Color
Hex	2787C7
RGB	39, 135, 199
RGB Percent	15%, 53%, 78%
CMY	0.8470, 0.4706, 0.2196
CMYK	0.80, 0.32, 0.00, 0.22
HSL	204°, 67%, 47%
HSV	204°, 80%, 78%
XYZ	19.8095, 21.8828, 57.2126
YIQ	113.5920, -77.7600, -0.4480

Conversions

Conversions Part 2

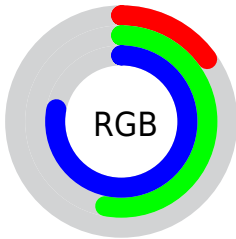
Format	Color
R_{YB}	39, 99, 199
Decimal	2590663
CIE _{Lab}	53.90, -4.86, -40.87
CIE _{LCh}	54, 41.155, 263.224
Yxy	21.8828, 0.2003, 0.2213
Android (android.graphics.Color)	4280780743 (0xFF2787C7)
YUV	113.5920, 42.1061, -65.4172
Hunter-Lab	46.7791, -6.2741, -39.7686

Details

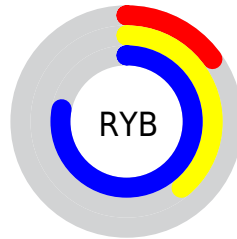
The XYZ color **19.8095, 21.8828, 57.2126** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **28.7715, 21.9922, 4.6492**, and the grayscale version is **15.7687, 16.5899, 18.0664**.

A 20% lighter version of the original color is **42.4636, 46.5014, 101.3453**, and **8.4386, 8.6999, 28.0226** is the 20% darker color. If you saturate the color by 10%, you get **18.1743, 19.4524, 56.8301**, and if you desaturate by 10%, it is **21.9243, 24.6843, 57.6423**.

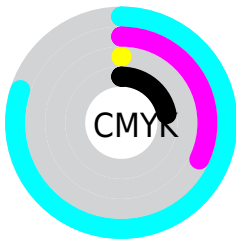
Distribution



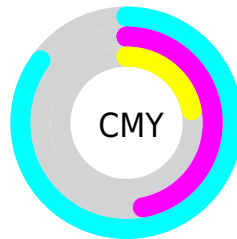
- Red (15%)
- Green (53%)
- Blue (78%)



- Red (15%)
- Yellow (39%)
- Blue (78%)



- Cyan (80%)
- Magenta (32%)
- Yellow (0%)
- Black (22%)



- Cyan (85%)
- Magenta (47%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8095, 21.8828, 57.2126 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 19.8095, 21.8828, 57.2126 by changing the saturation by 10% instead.

■ 19.8095, 21.8828,
57.2126

■ 19.8095, 21.8828,
57.2126

243.7352,
261.9336, 431.7615

■ 12.3641, 13.7708,
40.7655

■ 42.6040, 46.5522,
102.2787

■ 7.0661, 7.9614,
27.8175

■ 58.6837, 63.8784,
131.7348

■ 3.5502, 4.0703,
17.9503

■ 78.3723, 85.0448,
166.3643

■ 1.4509, 1.7130,
10.7453

■ 102.0351,
110.4358, 206.5857

■ 0.2921, 0.4320,
5.7838

■ 130.0374,
140.4358, 252.8176

■ 0.0000, 0.0000,
2.6474

162.7446,

■ 0.0000, 0.0000,

175.4292, 305.4785

0.9168

200.5221,
215.8003, 364.9870

■ 0.0000, 0.0000,
0.0000

■ 19.8095, 21.8828,
57.2126

■ 19.8095, 21.8828,
57.2126

■ 18.1743, 19.4524,
56.8301

■ 21.9243, 24.6843,
57.6423

■ 16.9527, 17.4112,
56.5005

■ 24.5722, 27.8863,
58.1208

■ 27.8015, 31.5164,
58.6513

■ 31.6541, 35.5986,
59.2362

■ 36.1676, 40.1549,
59.8778

■ 41.3764, 45.2051,
60.5780

■ 47.3126, 50.7681,
61.3389

■ 54.0059, 56.8615,
62.1623

■ 61.4844, 63.5018,
63.0498

Harmonies

Analogous

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



16.1024, 21.8828, 49.2125



19.8095, 21.8828, 57.2126



24.3440, 21.8828, 54.0325

Triad

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



19.8095, 21.8828, 57.2126



29.6554, 21.8828, 15.4395



14.6920, 21.8828, 11.9974

Complementary

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



19.8095, 21.8828, 57.2126



28.7715, 21.9922, 4.6492

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.



17.6159, 21.8828, 7.6985



19.8095, 21.8828, 57.2126



26.3300, 21.8828, 9.1357

Square

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



19.8095, 21.8828, 57.2126



30.4620, 21.8828, 26.8241



21.8208, 21.8828, 6.8785



13.4317, 21.8828, 21.0613

Rectangle

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



19.8095, 21.8828, 57.2126



27.1988, 21.8828, 46.4054



21.8208, 21.8828, 6.8785



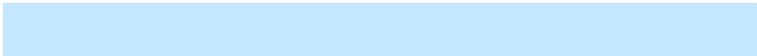
15.4911, 21.8828, 10.0992

Sweetspot

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



19.8103, 21.8835, 57.2132



68.6880, 75.5453, 105.5692



23.7095, 42.2583, 19.7415



14.0038, 15.4908, 22.5019



0.0000, 0.0000, 0.0000



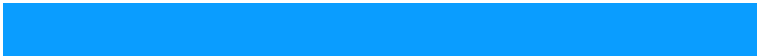
20.3446, 21.4041, 23.3091

Same Dimension

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



19.8103, 21.8835, 57.2132



30.2469, 31.4242, 99.0790



12.5130, 7.2888, 54.7807



10.5770, 11.3281, 13.5466



10.9885, 11.3710, 36.3600



0.5898, 0.6774, 1.7448

Inverse Universe

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



28.6527, 15.3436, 24.3736



47.4427, 23.9182, 34.0468



40.8538, 46.1567, 8.6767



10.8965, 10.7420, 12.4383



17.3458, 8.6879, 12.2969



0.8564, 0.4254, 0.7670

Previews

White Background



This preview shows how the XYZ color 19.8095, 21.8828, 57.2126 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 19.8095, 21.8828, 57.2126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

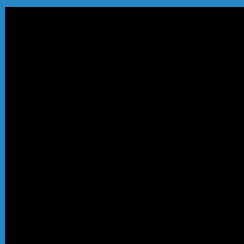
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

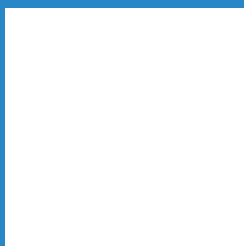
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8095, 21.8828, 57.2126

Background



This preview shows how black text looks on a background with the XYZ color 19.8095, 21.8828, 57.2126.

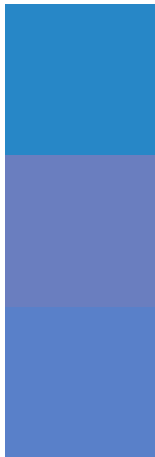


This preview shows how white text looks on a background with the XYZ color 19.8095, 21.8828,

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

19.8095, 21.8828, 57.2126

Protanopia

22.8087, 21.7475, 52.2857

Deuteranopia

22.3816, 21.7792, 58.2825



Tritanopia

15.4228, 21.6459, 33.5022

Trichromacy



Original Color

19.8095, 21.8828, 57.2126

Protanomaly

21.0675, 21.3894, 54.0571

Deuteranomaly

21.1402, 21.7423, 57.7261

Tritanomaly

16.6694, 21.4609, 41.2940

Monochromacy



Original Color

19.8095, 21.8828, 57.2126

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.0008, 17.9896, 29.4171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8095, 21.8828, 57.2126 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(39, 135, 199)` looks like.

```
.text, #text, p{  
  color:rgb(39, 135, 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(39, 135, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 135, 199) }
```

Border

The CSS property to change the border of an element to XYZ 19.8095, 21.8828, 57.2126 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(39, 135, 199) }
```


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

```
.border{ border-color:rgb(39, 135, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 135, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 135, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 135, 199);  
box-shadow:4px 4px 4px 4px rgb(39, 135,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8095, 21.8828, 57.2126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 135, 199) }
```

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

```
.background{ background-color: rgb(39, 135,  
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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