

Converting Colors

XYZ(19.8207, 19.5171, 66.3437)

Have a look what the booklet for
XYZ(19.8207, 19.5171, 66.3437)
contains.

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Color

**XYZ(19.8241, 19.5172,
66.3407)**

Conversions

Conversions Part 1

Format	Color
Hex	1C7CD6
RGB	28, 124, 214
RGB Percent	11%, 49%, 84%
CMY	0.8901, 0.5137, 0.1608
CMYK	0.87, 0.42, 0.00, 0.16
HSL	209°, 77%, 47%
HSV	209°, 87%, 84%
XYZ	19.8241, 19.5172, 66.3407
YIQ	105.5560, -86.1060, 7.6380

Conversions

Conversions Part 2

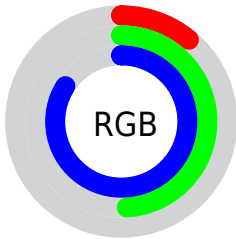
Format	Color
R_{YB}	28, 91, 214
Decimal	1866966
CIE _{Lab}	51.29, 6.49, -53.54
CIE _{LCh}	51, 53.932, 276.913
Yxy	19.5172, 0.1876, 0.1847
Android (android.graphics.Color)	4280057046 (0xFF1C7CD6)
YUV	105.5560, 53.4629, -68.0166
Hunter-Lab	44.1783, 2.7863, -58.1086

Details

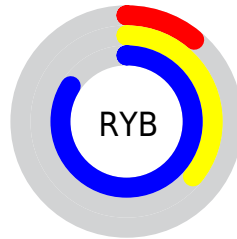
The XYZ color **19.8241, 19.5172, 66.3407** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **34.4226, 27.3421, 4.5633**, and the grayscale version is **13.4561, 14.1569, 15.4168**.

A 20% lighter version of the original color is **39.7597, 41.4588, 100.5145**, and **8.8424, 7.6721, 33.8157** is the 20% darker color. If you saturate the color by 10%, you get **18.1979, 16.8525, 65.9125**, and if you desaturate by 10%, it is **21.9993, 22.6676, 66.8346**.

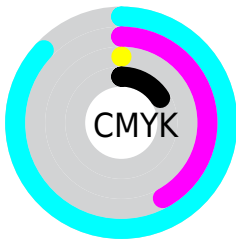
Distribution



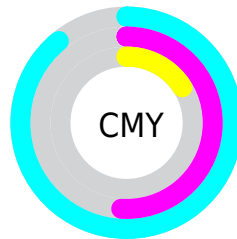
- Red (11%)
- Green (49%)
- Blue (84%)



- Red (11%)
- Yellow (36%)
- Blue (84%)



- Cyan (87%)
- Magenta (42%)
- Yellow (0%)
- Black (16%)



- Cyan (89%)
- Magenta (51%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8241, 19.5172, 66.3407 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 19.8241, 19.5172, 66.3407 by changing the saturation by 10% instead.

■ 19.8241, 19.5172,
66.3407

■ 19.8241, 19.5172,
66.3407

243.8130,
249.2893, 466.0318

■ 12.3748, 12.0446,
48.0908

■ 42.6283, 42.6062,
115.6069

■ 7.0735, 6.7741,
33.5383

■ 58.7138, 58.9915,
147.4602

■ 3.5548, 3.3212,
22.2646

■ 78.4088, 79.1163,
184.6851

■ 1.4535, 1.3016,
13.8513

■ 102.0786,
103.3652, 227.7001

■ 0.2939, 0.1425,
7.8798

■ 130.0886,
132.1226, 276.9237

■ 0.0000, 0.0000,
3.9314

162.8041,

■ 0.0000, 0.0000,

165.7728, 332.7745

1.5878

200.5904,
204.7002, 395.6710

■ 0.0000, 0.0000,
0.2821

■ 0.0000, 0.0000,
0.0000

■ 19.8241, 19.5172,
66.3407

■ 19.8241, 19.5172,
66.3407

■ 18.1979, 16.8525,
65.9125

■ 21.9993, 22.6676,
66.8346

■ 17.7613, 16.1022,
65.7907

■ 24.8048, 26.3511,
67.3977

■ 28.3063, 30.6075,
68.0347

■ 32.5600, 35.4710,
68.7493

■ 37.6153, 40.9727,
69.5448

■ 43.5176, 47.1408,
70.4243

■ 50.3083, 54.0017,
71.3906

■ 58.0262, 61.5802,
72.4467

■ 66.7074, 69.8995,
73.5949

Harmonies

Analogous

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



14.7812, 19.5172, 61.8365



19.8241, 19.5172, 66.3407



25.4859, 19.5172, 54.8474

Triad

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



19.8241, 19.5172, 66.3407



28.1160, 19.5172, 7.9581



10.5663, 19.5172, 11.6188

Complementary

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



19.8241, 19.5172, 66.3407



34.4226, 27.3421, 4.5633

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.



13.0035, 19.5172, 5.2708



19.8241, 19.5172, 66.3407



22.9117, 19.5172, 3.9844

Square

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



19.8241, 19.5172, 66.3407



30.8371, 19.5172, 17.8797



17.3327, 19.5172, 3.3183



10.0569, 19.5172, 25.0212

Rectangle

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



19.8241, 19.5172, 66.3407



28.6420, 19.5172, 41.8844



17.3327, 19.5172, 3.3183



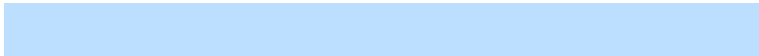
11.1607, 19.5172, 8.8300

Sweetspot

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



19.8249, 19.5178, 66.3412



65.3271, 70.7309, 104.8171



27.7910, 49.6466, 25.2300



13.2876, 14.4228, 22.3335



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.



19.8249, 19.5178, 66.3412



26.2470, 23.6140, 97.7823



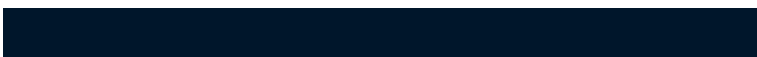
13.1103, 6.0886, 64.1030



12.2674, 13.0581, 15.8114



10.8402, 9.9422, 39.8008



0.7366, 0.7651, 2.4282

Inverse Universe

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



31.7857, 16.5830, 20.5946



45.3775, 22.9150, 23.7176



51.2113, 60.9196, 10.1595



12.6881, 12.5268, 14.2980



18.5305, 9.3485, 10.0976



1.1594, 0.5806, 0.8289

Previews

White Background



This preview shows how the XYZ color 19.8241, 19.5172, 66.3407 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 19.8241, 19.5172, 66.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

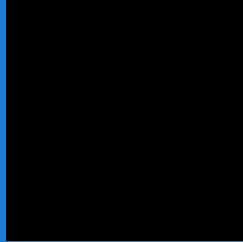
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8241, 19.5172, 66.3407

Background



This preview shows how black text looks on a background with the XYZ color 19.8241, 19.5172, 66.3407.



This preview shows how white text looks on a background with the XYZ color 19.8241, 19.5172,

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

19.8241, 19.5172, 66.3407

Protanopia

21.4667, 19.3542, 62.9259

Deuteranopia

20.0956, 19.4721, 66.3177



Tritanopia

13.6980, 19.3416, 29.3969

Trichromacy



Original Color

19.8241, 19.5172, 66.3407

Protanomaly

20.4609, 19.1602, 64.2479

Deuteranomaly

19.9481, 19.3960, 66.3108

Tritanomaly

15.4029, 19.1617, 40.4229

Monochromacy



Original Color

19.8241, 19.5172, 66.3407

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.1578, 15.4743, 29.0287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8241, 19.5172, 66.3407 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(28, 124, 214)` looks like.

```
.text, #text, p{  
    color:rgb(28, 124, 214)  
}
```

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(28, 124, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 124, 214) }
```

Border

The CSS property to change the border of an element to XYZ 19.8241, 19.5172, 66.3407 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(28, 124, 214) }
```


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

```
.border{ border-color:rgb(28, 124, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 124, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 124, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 124, 214);  
box-shadow:4px 4px 4px 4px rgb(28, 124,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8241, 19.5172, 66.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 124, 214) }
```

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

```
.background{ background-color: rgb(28, 124,  
214) }
```

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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