

Converting Colors

XYZ(19.2182, 21.0005, 60.1657)

Have a look what the booklet for
XYZ(19.2182, 21.0005, 60.1657)
contains.

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Color

**XYZ(19.2866, 21.1347,
60.1896)**

Conversions

Conversions Part 1

Format	Color
Hex	0085CC
RGB	0, 133, 204
RGB Percent	0%, 52%, 80%
CMY	0.9998, 0.4784, 0.2000
CMYK	1.00, 0.35, 0.00, 0.20
HSL	201°, 100%, 40%
HSV	201°, 100%, 80%
XYZ	19.2866, 21.1347, 60.1896
YIQ	101.3270, -102.0590, -6.1150

Conversions

Conversions Part 2

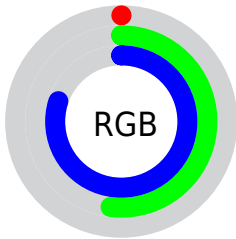
Format	Color
RYB	0, 81, 204
Decimal	34252
CIELab	53.10, -4.01, -45.01
CIELCh	53, 45.188, 264.904
Yxy	21.1347, 0.1917, 0.2101
Android (android.graphics.Color)	4278224332 (0xFF0085CC)
YUV	101.3270, 50.6178, -88.8638
Hunter-Lab	45.9725, -5.5667, -45.4448

Details

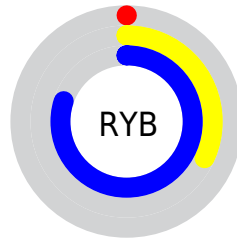
The XYZ color **19.2866, 21.1347, 60.1896** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **27.1583, 17.3497, 1.9187**, and the grayscale version is **12.3499, 12.9931, 14.1495**.

A 20% lighter version of the original color is **40.7545, 44.9905, 101.1438**, and **8.5951, 8.5106, 29.6235** is the 20% darker color. If you saturate the color by 10%, you get **19.2847, 21.1308, 60.1894**, and if you desaturate by 10%, it is **20.5899, 23.2993, 60.5392**.

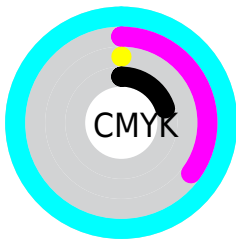
Distribution



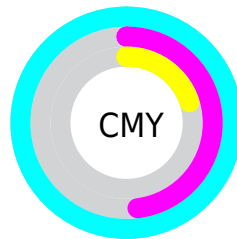
- Red (0%)
- Green (52%)
- Blue (80%)



- Red (0%)
- Yellow (32%)
- Blue (80%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (48%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2866, 21.1347, 60.1896 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 19.2866, 21.1347, 60.1896 by changing the saturation by 10% instead.

■ 19.2866, 21.1347,
60.1896

■ 19.2866, 21.1347,
60.1896

240.9343,
257.9935, 443.1203

■ 11.9828, 13.2225,
43.1452

■ 41.7310, 45.3116,
106.6507

■ 6.8041, 7.5819,
29.6668

■ 57.6022, 62.3451,
136.9045

■ 3.3851, 3.8286,
19.3359

■ 77.0600, 83.1878,
172.3985

■ 1.3605, 1.5782,
11.7340

■ 100.4697,
108.2241, 213.5512

■ 0.2278, 0.3428,
6.4425

■ 128.1966,
137.8385, 260.7812

■ 0.0000, 0.0000,
3.0428

160.6061,

■ 0.0000, 0.0000,

172.4152, 314.5070

1.1166

198.0635,
212.3388, 375.1472

■ 0.0000, 0.0000,
0.0000

■ 19.2866, 21.1347,
60.1896

■ 19.2866, 21.1347,
60.1896

■ 19.2847, 21.1308,
60.1894

■ 20.5899, 23.2993,
60.5392

■ 22.2730, 25.7589,
60.9252

■ 24.4449, 28.5718,
61.3537

■ 27.1642, 31.7700,
61.8277

■ 30.4805, 35.3806,
62.3498

■ 34.4374, 39.4279,
62.9225

■ 39.0742, 43.9337,
63.5478

■ 44.4268, 48.9182,
64.2278

■ 50.5284, 54.4001,
64.9643

Harmonies

Analogous

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



15.2762, 21.1347, 51.7740



19.2866, 21.1347, 60.1896



24.1894, 21.1347, 55.8715

Triad

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



19.2866, 21.1347, 60.1896



29.5747, 21.1347, 13.6528



13.4972, 21.1347, 11.0012

Complementary

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



19.2866, 21.1347, 60.1896



27.1583, 17.3497, 1.9187

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.



16.4784, 21.1347, 6.4952



19.2866, 21.1347, 60.1896



25.8168, 21.1347, 7.5484

Square

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



19.2866, 21.1347, 60.1896



30.6408, 21.1347, 25.4174



20.9111, 21.1347, 5.5428



12.2877, 21.1347, 20.7635

Rectangle

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



19.2866, 21.1347, 60.1896



27.2583, 21.1347, 46.9886



20.9111, 21.1347, 5.5428



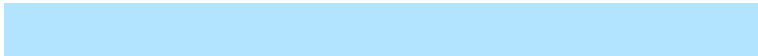
14.3000, 21.1347, 9.0015

Sweetspot

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



19.2874, 21.1354, 60.1902



64.3702, 72.4345, 105.1963



22.6379, 43.6041, 12.6970



13.0500, 14.8044, 22.4197



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.



19.2874, 21.1354, 60.1902



31.7283, 34.5767, 99.6094



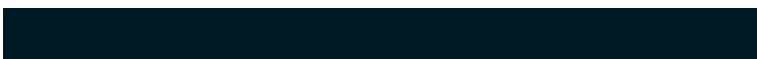
11.4728, 5.5062, 57.5853



11.2018, 12.0440, 14.3047



12.2279, 13.4798, 37.9137



0.7001, 0.8340, 1.9790

Inverse Universe

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



29.1362, 14.5319, 23.4601



48.1442, 24.0217, 38.2870



39.2785, 41.5900, 5.9588



11.5152, 11.3348, 13.2477



18.3830, 9.1638, 15.0013



0.9833, 0.4867, 0.9581

Previews

White Background



This preview shows how the XYZ color 19.2866, 21.1347, 60.1896 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 19.2866, 21.1347, 60.1896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

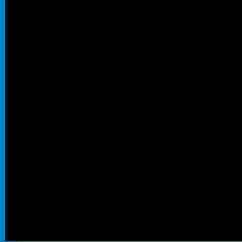
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.2866, 21.1347, 60.1896

Background



This preview shows how black text looks on a background with the XYZ color 19.2866, 21.1347, 60.1896.

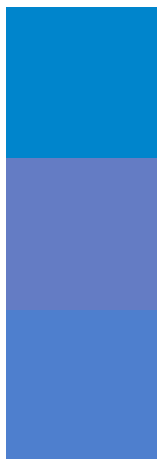


This preview shows how white text looks on a background with the XYZ color 19.2866, 21.1347,

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

19.2866, 21.1347, 60.1896

Protanopia

22.4270, 21.1102, 55.1172

Deuteranopia

21.8718, 21.2547, 61.3423



Tritanopia

14.8831, 20.9582, 32.1151

Trichromacy



Original Color

19.2866, 21.1347, 60.1896

Protanomaly

20.0125, 20.3923, 56.9142

Deuteranomaly

20.1851, 20.7864, 60.7059

Tritanomaly

16.2014, 20.7936, 41.1899

Monochromacy



Original Color

19.2866, 21.1347, 60.1896

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.6069, 14.7352, 26.2245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2866, 21.1347, 60.1896 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(0, 133, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 204)  
}
```

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(0, 133, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 204) }
```

Border

The CSS property to change the border of an element to XYZ 19.2866, 21.1347, 60.1896 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(0, 133, 204) }
```


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

```
.border{ border-color:rgb(0, 133, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2866, 21.1347, 60.1896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 204) }
```

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

```
.background{ background-color: rgb(0, 133,  
204) }
```

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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