

Converting Colors

XYZ(19.4070, 21.1828, 60.8234)

Have a look what the booklet for
XYZ(19.4070, 21.1828, 60.8234)
contains.

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Color

**XYZ(19.4070, 21.1828,
60.8234)**

Conversions

Conversions Part 1

Format	Color
Hex	0085CD
RGB	0, 133, 205
RGB Percent	0%, 52%, 80%
CMY	0.9998, 0.4784, 0.1961
CMYK	1.00, 0.35, 0.00, 0.20
HSL	201°, 100%, 40%
HSV	201°, 100%, 80%
XYZ	19.4070, 21.1828, 60.8234
YIQ	101.4410, -102.3800, -5.8040

Conversions

Conversions Part 2

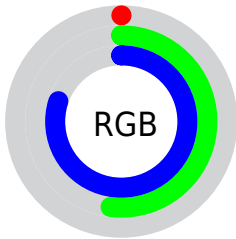
Format	Color
R_{YB}	0, 81, 205
Decimal	34253
CIE _{Lab}	53.15, -3.63, -45.49
CIE _{LCh}	53, 45.637, 265.438
Yxy	21.1828, 0.1914, 0.2089
Android (android.graphics.Color)	4278224333 (0xFF0085CD)
YUV	101.4410, 51.0546, -88.9638
Hunter-Lab	46.0248, -5.2763, -46.1365

Details

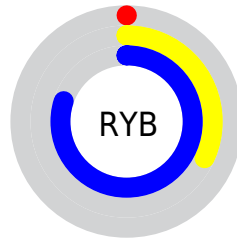
The XYZ color **19.4070, 21.1828, 60.8234** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **27.4980, 17.6208, 1.9533**, and the grayscale version is **12.3788, 13.0235, 14.1826**.

A 20% lighter version of the original color is **40.7545, 44.9905, 101.1438**, and **8.6753, 8.5427, 30.0458** is the 20% darker color. If you saturate the color by 10%, you get **19.4047, 21.1781, 60.8231**, and if you desaturate by 10%, it is **20.7271, 23.3779, 61.1780**.

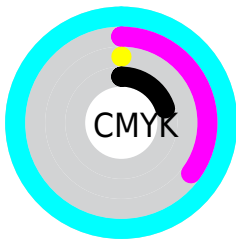
Distribution



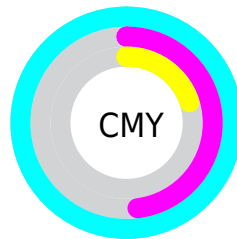
- Red (0%)
- Green (52%)
- Blue (80%)



- 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 19.4070, 21.1828, 60.8234 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 19.4070, 21.1828, 60.8234 by changing the saturation by 10% instead.

■ 19.4070, 21.1828,
60.8234

■ 19.4070, 21.1828,
60.8234

241.5817,
258.2484, 445.5148

■ 12.0705, 13.2577,
43.6530

■ 41.9323, 45.3916,
107.5782

■ 6.8642, 7.6062,
30.0626

■ 57.8518, 62.4440,
137.9998

■ 3.4229, 3.8440,
19.6337

■ 77.3629, 83.3077,
173.6754

■ 1.3812, 1.5867,
11.9476

■ 100.8312,
108.3670, 215.0238

■ 0.2427, 0.3486,
6.5859

■ 128.6218,
138.0063, 262.4634

■ 0.0000, 0.0000,
3.1300

161.1002,

■ 0.0000, 0.0000,

172.6101, 316.4127

1.1614

198.6317,
212.5626, 377.2903

■ 0.0000, 0.0000,
0.0000

■ 19.4070, 21.1828,
60.8234

■ 19.4070, 21.1828,
60.8234

■ 19.4047, 21.1781,
60.8231

■ 20.7271, 23.3779,
61.1780

■ 22.4328, 25.8738,
61.5698

■ 24.6341, 28.7294,
62.0050

■ 27.3903, 31.9771,
62.4866

■ 30.7516, 35.6446,
63.0174

■ 34.7623, 39.7564,
63.5996

■ 39.4620, 44.3347,
64.2356

■ 44.8872, 49.4000,
64.9274

■ 51.0716, 54.9712,
65.6768

Harmonies

Analogous

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



15.3296, 21.1828, 52.4752



19.4070, 21.1828, 60.8234



24.3732, 21.1828, 56.2041

Triad

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



19.4070, 21.1828, 60.8234



29.6934, 21.1828, 13.4555



13.4374, 21.1828, 11.0655

Complementary

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



19.4070, 21.1828, 60.8234



27.4980, 17.6208, 1.9533

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.



16.4166, 21.1828, 6.4612



19.4070, 21.1828, 60.8234



25.8491, 21.1828, 7.4057

Square

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



19.4070, 21.1828, 60.8234



30.8314, 21.1828, 25.2358



20.8781, 21.1828, 5.4550



12.2501, 21.1828, 21.0214

Rectangle

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



19.4070, 21.1828, 60.8234



27.4681, 21.1828, 47.0883



20.8781, 21.1828, 5.4550



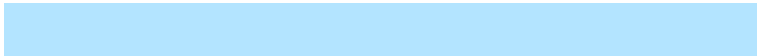
14.2369, 21.1828, 9.0243

Sweetspot

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



19.4078, 21.1835, 60.8240



64.3029, 72.2999, 105.1739



22.9948, 44.1284, 13.3997



13.0339, 14.7722, 22.4143



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.



19.4078, 21.1835, 60.8240



31.5805, 34.2809, 99.5602



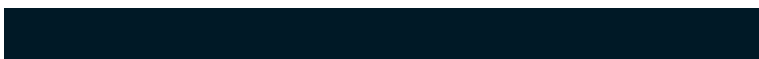
11.5048, 5.3774, 58.1896



11.1987, 12.0379, 14.3037



12.1722, 13.3684, 37.8951



0.6975, 0.8288, 1.9782

Inverse Universe

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



29.4113, 14.6738, 23.4728



48.0696, 23.9918, 37.8940



40.3633, 43.3514, 6.2418



11.5137, 11.3342, 13.2396



18.3549, 9.1525, 14.8533



0.9820, 0.4862, 0.9512

Previews

White Background



This preview shows how the XYZ color 19.4070, 21.1828, 60.8234 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 19.4070, 21.1828, 60.8234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

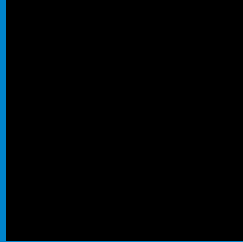
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4070, 21.1828, 60.8234

Background



This preview shows how black text looks on a background with the XYZ color 19.4070, 21.1828, 60.8234.

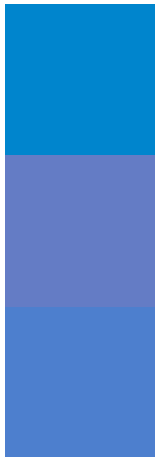


This preview shows how white text looks on a background with the XYZ color 19.4070, 21.1828,

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

19.4070, 21.1828, 60.8234

Protanopia

22.5412, 21.1558, 55.7188

Deuteranopia

21.7905, 21.2128, 61.3385



Tritanopia

15.1108, 21.2841, 32.5900

Trichromacy



Original Color

19.4070, 21.1828, 60.8234

Protanomaly

20.1291, 20.4389, 57.5278

Deuteranomaly

20.2575, 20.8097, 61.3415

Tritanomaly

16.4392, 21.1172, 41.7377

Monochromacy



Original Color

19.4070, 21.1828, 60.8234

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.6797, 14.7643, 26.6076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4070, 21.1828, 60.8234 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 205) }
```

Border

The CSS property to change the border of an element to XYZ 19.4070, 21.1828, 60.8234 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, 205) }
```


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

```
.border{ border-color:rgb(0, 133, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4070, 21.1828, 60.8234 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, 205) }
```

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

```
.background{ background-color: rgb(0, 133,  
205) }
```

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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