

Converting Colors

XYZ(19.0678, 20.6972, 60.1167)

Have a look what the booklet for
XYZ(19.0678, 20.6972, 60.1167)
contains.

XYZ(19.0154, 20.5922, 60.0992)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.0154, 20.5922,
60.0992)**

Conversions

Conversions Part 1

Format	Color
Hex	0083CC
RGB	0, 131, 204
RGB Percent	0%, 51%, 80%
CMY	0.9998, 0.4863, 0.2000
CMYK	1.00, 0.36, 0.00, 0.20
HSL	201°, 100%, 40%
HSV	201°, 100%, 80%
XYZ	19.0154, 20.5922, 60.0992
YIQ	100.1530, -101.5090, -5.0690

Conversions

Conversions Part 2

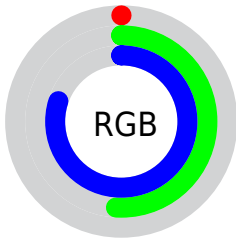
Format	Color
R_{YB}	0, 80, 204
Decimal	33740
CIE _{Lab}	52.50, -2.83, -45.95
CIE _{LCh}	53, 46.042, 266.480
Yxy	20.5922, 0.1907, 0.2065
Android (android.graphics.Color)	4278223820 (0xFF0083CC)
YUV	100.1530, 51.1966, -87.8342
Hunter-Lab	45.3786, -4.6142, -46.7583

Details

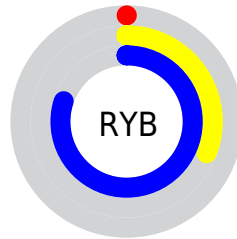
The XYZ color **19.0154, 20.5922, 60.0992** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **27.2881, 17.6092, 1.9621**, and the grayscale version is **12.0482, 12.6756, 13.8038**.

A 20% lighter version of the original color is **40.3361, 44.1536, 101.0043**, and **8.4421, 8.2045, 29.5725** is the 20% darker color. If you saturate the color by 10%, you get **19.0132, 20.5877, 60.0989**, and if you desaturate by 10%, it is **20.3289, 22.7771, 60.4522**.

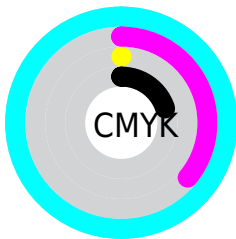
Distribution



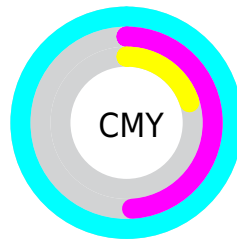
- Red (0%)
- Green (51%)
- Blue (80%)



- Red (0%)
- Yellow (31%)
- Blue (80%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (49%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0154, 20.5922, 60.0992 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 19.0154, 20.5922, 60.0992 by changing the saturation by 10% instead.

■ 19.0154, 20.5922,
60.0992

■ 19.0154, 20.5922,
60.0992

239.4702,
255.1033, 442.7781

■ 11.7855, 12.8262,
43.0728

■ 41.2768, 44.4078,
106.5183

■ 6.6689, 7.3090,
29.6104

■ 57.0390, 61.2263,
136.7481

■ 3.3004, 3.6561,
19.2935

■ 76.3759, 81.8311,
172.2161

■ 1.3145, 1.4831,
11.7036

■ 99.6531, 106.6066,
213.3409

■ 0.1941, 0.2768,
6.4221

■ 127.2357,
135.9371, 260.5409

■ 0.0000, 0.0000,
3.0305

159.4892,

■ 0.0000, 0.0000,

170.2072, 314.2348

1.1102

196.7789,
209.8011, 374.8410

■ 0.0000, 0.0000,
0.0000

■ 19.0154, 20.5922,
60.0992

■ 19.0154, 20.5922,
60.0992

■ 19.0132, 20.5877,
60.0989

■ 20.3289, 22.7771,
60.4522

■ 22.0257, 25.2640,
60.8428

■ 24.2150, 28.1115,
61.2770

■ 26.9554, 31.3517,
61.7580

■ 30.2966, 35.0120,
62.2884

■ 34.2824, 39.1168,
62.8706

■ 38.9521, 43.6883,
63.5069

■ 44.3418, 48.7467,
64.1992

■ 50.4847, 54.3109,
64.9494

Harmonies

Analogous

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



14.9389, 20.5922, 52.1575



19.0154, 20.5922, 60.0992



23.9452, 20.5922, 55.0358

Triad

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



19.0154, 20.5922, 60.0992



28.9650, 20.5922, 12.6440



12.8883, 20.5922, 10.8343

Complementary

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



19.0154, 20.5922, 60.0992



27.2881, 17.6092, 1.9621

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.



15.7670, 20.5922, 6.1875



19.0154, 20.5922, 60.0992



25.0765, 20.5922, 6.8954

Square

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



19.0154, 20.5922, 60.0992



30.2073, 20.5922, 24.0705



20.1399, 20.5922, 5.1116



11.7820, 20.5922, 20.8494

Rectangle

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



19.0154, 20.5922, 60.0992



26.9906, 20.5922, 45.7597



20.1399, 20.5922, 5.1116



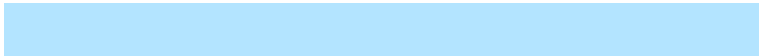
13.6554, 20.5922, 8.7780

Sweetspot

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



19.0162, 20.5928, 60.0997



64.1636, 72.0214, 105.1275



22.7449, 43.6469, 13.2602



13.0006, 14.7057, 22.4032



0.0000, 0.0000, 0.0000



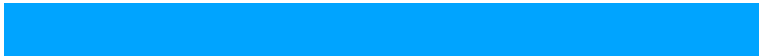
20.3446, 21.4041, 23.3091

Same Dimension

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



19.0162, 20.5928, 60.0997



31.2769, 33.6738, 99.4590



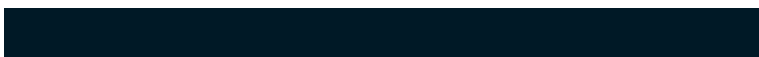
11.3805, 5.3214, 57.5545



11.1924, 12.0252, 14.3016



12.0578, 13.1396, 37.8569



0.6922, 0.8181, 1.9764

Inverse Universe

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



28.9994, 14.4773, 22.7390



47.9163, 23.9305, 37.0870



39.9243, 42.8815, 6.1742



11.5105, 11.3329, 13.2227



18.2971, 9.1294, 14.5492



0.9793, 0.4851, 0.9370

Previews

White Background



This preview shows how the XYZ color 19.0154, 20.5922, 60.0992 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 19.0154, 20.5922, 60.0992 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 19.0154, 20.5922, 60.0992

Background



This preview shows how black text looks on a background with the XYZ color 19.0154, 20.5922, 60.0992.



This preview shows how white text looks on a background with the XYZ color 19.0154, 20.5922,

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

19.0154, 20.5922, 60.0992

Protanopia

21.8531, 20.4460, 55.0192

Deuteranopia

21.1007, 20.4915, 60.6007



Tritanopia

14.6574, 20.6352, 31.6442

Trichromacy



Original Color

19.0154, 20.5922, 60.0992

Protanomaly

19.6290, 19.8149, 56.8229

Deuteranomaly

19.7355, 20.1674, 60.6101

Tritanomaly

15.9656, 20.4729, 40.6463

Monochromacy



Original Color

19.0154, 20.5922, 60.0992

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.3862, 14.2938, 26.1509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0154, 20.5922, 60.0992 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, 131, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 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, 131, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 204) }
```

Border

The CSS property to change the border of an element to XYZ 19.0154, 20.5922, 60.0992 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, 131, 204) }
```


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

```
.border{ border-color:rgb(0, 131, 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, 131, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0154, 20.5922, 60.0992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 204) }
```

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

```
.background{ background-color: rgb(0, 131,  
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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