

Converting Colors

XYZ(2.0579, 11.8477, 59.9383)

Have a look what the booklet for
XYZ(2.0579, 11.8477, 59.9383)
contains.

XYZ(19.1357, 20.6404, 60.7330)	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(19.1357, 20.6404,
60.7330)**

Conversions

Conversions Part 1

Format	Color
Hex	0083CD
RGB	0, 131, 205
RGB Percent	0%, 51%, 80%
CMY	0.9998, 0.4863, 0.1961
CMYK	1.00, 0.36, 0.00, 0.20
HSL	202°, 100%, 40%
HSV	202°, 100%, 80%
XYZ	19.1357, 20.6404, 60.7330
YIQ	100.2670, -101.8300, -4.7580

Conversions

Conversions Part 2

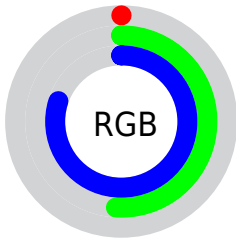
Format	Color
R _{YB}	0, 80, 205
Decimal	33741
CIE _{Lab}	52.55, -2.44, -46.44
CIE _{LCh}	53, 46.502, 266.990
Y _{xy}	20.6404, 0.1904, 0.2054
Android (android.graphics.Color)	4278223821 (0xFF0083CD)
YUV	100.2670, 51.6334, -87.9342
Hunter-Lab	45.4317, -4.3218, -47.4565

Details

The XYZ color **19.1357, 20.6404, 60.7330** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **27.6287, 17.8823, 1.9966**, and the grayscale version is **12.0756, 12.7044, 13.8351**.

A 20% lighter version of the original color is **40.3361, 44.1536, 101.0043**, and **8.5223, 8.2366, 29.9948** is the 20% darker color. If you saturate the color by 10%, you get **19.1340, 20.6368, 60.7329**, and if you desaturate by 10%, it is **20.4655, 22.8550, 61.0908**.

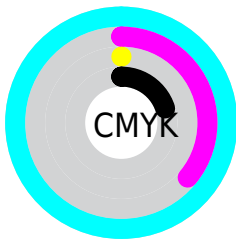
Distribution



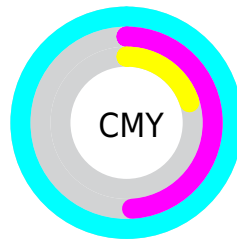
- Red (0%)
- Green (51%)
- Blue (80%)



- 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 19.1357, 20.6404, 60.7330 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 19.1357, 20.6404, 60.7330 by changing the saturation by 10% instead.

■ 19.1357, 20.6404,
60.7330

■ 19.1357, 20.6404,
60.7330

240.1206,
255.3612, 445.1738

■ 11.8730, 12.8614,
43.5806

■ 41.4784, 44.4883,
107.4460

■ 6.7288, 7.3332,
30.0061

■ 57.2890, 61.3260,
137.8437

■ 3.3379, 3.6713,
19.5912

■ 76.6797, 81.9520,
173.4935

■ 1.3349, 1.4915,
11.9171

■ 100.0157,
106.7508, 214.8140

■ 0.2091, 0.2827,
6.5654

■ 127.6625,
136.1067, 262.2237

■ 0.0000, 0.0000,
3.1175

159.9853,

■ 0.0000, 0.0000,

170.4041, 316.1412

1.1550

197.3496,
210.0275, 376.9851

■ 0.0000, 0.0000,
0.0000

■ 19.1357, 20.6404,
60.7330

■ 19.1357, 20.6404,
60.7330

■ 19.1340, 20.6368,
60.7329

■ 20.4655, 22.8550,
61.0908

■ 22.1844, 25.3775,
61.4871

■ 24.4024, 28.2670,
61.9280

■ 27.1791, 31.5561,
62.4165

■ 30.5648, 35.2727,
62.9554

■ 34.6037, 39.4416,
63.5472

■ 39.3358, 44.0851,
64.1941

■ 44.7976, 49.2239,
64.8981

■ 51.0227, 54.8772,
65.6612

Harmonies

Analogous

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



14.9925, 20.6404, 52.8632



19.1357, 20.6404, 60.7330



24.1288, 20.6404, 55.3654

Triad

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



19.1357, 20.6404, 60.7330



29.0828, 20.6404, 12.4572



12.8311, 20.6404, 10.8991

Complementary

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



19.1357, 20.6404, 60.7330



27.6287, 17.8823, 1.9966

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.



15.7078, 20.6404, 6.1554



19.1357, 20.6404, 60.7330



25.1089, 20.6404, 6.7618

Square

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



19.1357, 20.6404, 60.7330



30.3970, 20.6404, 23.8958



20.1085, 20.6404, 5.0291



11.7463, 20.6404, 21.1095

Rectangle

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



19.1357, 20.6404, 60.7330



27.2000, 20.6404, 45.8580



20.1085, 20.6404, 5.0291



13.5949, 20.6404, 8.8014

Sweetspot

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



19.1365, 20.6410, 60.7335



64.0982, 71.8906, 105.1057



22.9944, 44.1282, 13.3985



12.9850, 14.6745, 22.3980



0.0000, 0.0000, 0.0000



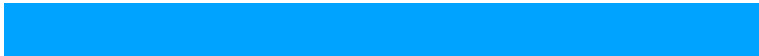
20.3446, 21.4041, 23.3091

Same Dimension

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



19.1365, 20.6410, 60.7335



31.1355, 33.3909, 99.4118



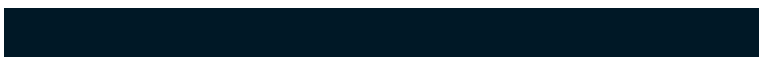
11.5044, 5.3769, 58.1895



11.1894, 12.0192, 14.3006



12.0045, 13.0329, 37.8392



0.6897, 0.8131, 1.9755

Inverse Universe

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



29.2743, 14.6189, 22.7520



47.8449, 23.9020, 36.7111



40.3629, 43.3507, 6.2414



11.5090, 11.3323, 13.2148



18.2702, 9.1187, 14.4075



0.9781, 0.4846, 0.9303

Previews

White Background



This preview shows how the XYZ color 19.1357, 20.6404, 60.7330 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 19.1357, 20.6404, 60.7330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

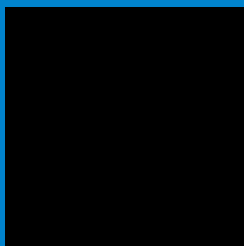
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.1357, 20.6404, 60.7330

Background



This preview shows how black text looks on a background with the XYZ color 19.1357, 20.6404, 60.7330.

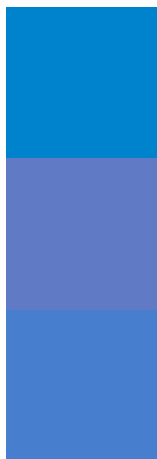


This preview shows how white text looks on a background with the XYZ color 19.1357, 20.6404,

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

19.1357, 20.6404, 60.7330

Protanopia

21.9673, 20.4917, 55.6208

Deuteranopia

21.2739, 20.7557, 61.2775



Tritanopia

14.6574, 20.6352, 31.6442

Trichromacy



Original Color

19.1357, 20.6404, 60.7330

Protanomaly

19.7455, 19.8615, 57.4365

Deuteranomaly

19.9865, 20.4754, 61.2913

Tritanomaly

15.9656, 20.4729, 40.6463

Monochromacy



Original Color

19.1357, 20.6404, 60.7330

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 19.1357, 20.6404, 60.7330 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 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, 131, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 205) }
```

Border

The CSS property to change the border of an element to XYZ 19.1357, 20.6404, 60.7330 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, 205) }
```


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

```
.border{ border-color:rgb(0, 131, 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, 131, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1357, 20.6404, 60.7330 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, 205) }
```

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

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

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor