

Converting Colors

XYZ(19.9918, 22.5452, 60.4247)

Have a look what the booklet for
XYZ(19.9918, 22.5452, 60.4247)
contains.

XYZ(19.9876, 22.5366, 60.4233)	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>	30

Color

**XYZ(19.9876, 22.5366,
60.4233)**

Conversions

Conversions Part 1

Format	Color
Hex	008ACC
RGB	0, 138, 204
RGB Percent	0%, 54%, 80%
CMY	0.9998, 0.4588, 0.2000
CMYK	1.00, 0.32, 0.00, 0.20
HSL	199°, 100%, 40%
HSV	199°, 100%, 80%
XYZ	19.9876, 22.5366, 60.4233
YIQ	104.2620, -103.4340, -8.7300

Conversions

Conversions Part 2

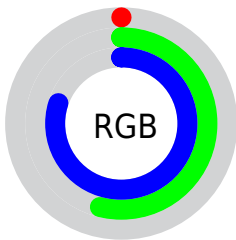
Format	Color
RYB	0, 82, 204
Decimal	35532
CIELab	54.59, -6.94, -42.64
CIELCh	55, 43.204, 260.755
Yxy	22.5366, 0.1942, 0.2189
Android (android.graphics.Color)	4278225612 (0xFF008ACC)
YUV	104.2620, 49.1708, -91.4378
Hunter-Lab	47.4727, -7.9228, -42.2334

Details

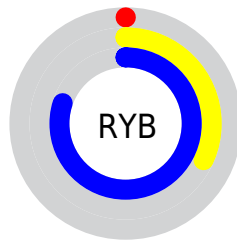
The XYZ color **19.9876, 22.5366, 60.4233** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **26.8534, 16.7397, 1.8172**, and the grayscale version is **13.1247, 13.8082, 15.0371**.

A 20% lighter version of the original color is **41.8264, 47.1343, 101.5011**, and **8.9145, 9.1494, 29.7299** is the 20% darker color. If you saturate the color by 10%, you get **19.9856, 22.5324, 60.4231**, and if you desaturate by 10%, it is **21.2617, 24.6428, 60.7632**.

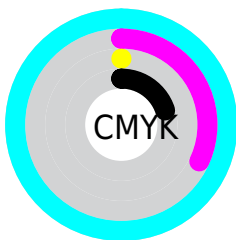
Distribution



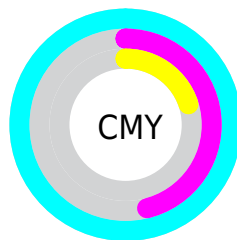
- Red (0%)
- Green (54%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (46%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9876, 22.5366, 60.4233 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 19.9876, 22.5366, 60.4233 by changing the saturation by 10% instead.

■ 19.9876, 22.5366,
60.4233

■ 19.9876, 22.5366,
60.4233

244.6828,
265.3359, 444.0042

■ 12.4942, 14.2517,
43.3324

■ 42.9005, 47.6313,
106.9928

■ 7.1558, 8.2959,
29.8127

■ 59.0507, 65.2099,
137.3086

■ 3.6069, 4.2849,
19.4456

■ 78.8173, 86.6552,
172.8696

■ 1.4823, 1.8342,
11.8126

■ 102.5656,
112.3516, 214.0946

■ 0.3137, 0.5083,
6.4952

■ 130.6609,
142.6834, 261.4020

■ 0.0000, 0.0000,
3.0749

163.4687,

■ 0.0000, 0.0000,

178.0352, 315.2104

1.1330

201.3542,
218.7912, 375.9382

■ 0.0000, 0.0000,
0.0000

■ 19.9876, 22.5366,
60.4233

■ 19.9876, 22.5366,
60.4233

■ 19.9856, 22.5324,
60.4231

■ 21.2617, 24.6428,
60.7632

■ 22.9072, 27.0271,
61.1367

■ 25.0328, 29.7473,
61.5497

■ 27.6970, 32.8349,
62.0052

■ 30.9489, 36.3166,
62.5059

■ 34.8321, 40.2162,
63.0539

■ 39.3855, 44.5551,
63.6514

■ 44.6449, 49.3530,
64.3003

■ 50.6433, 54.6282,
65.0024

Harmonies

Analogous

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



16.1508, 22.5366, 50.8497



19.9876, 22.5366, 60.4233



24.8192, 22.5366, 57.9836

Triad

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



19.9876, 22.5366, 60.4233



31.1358, 22.5366, 16.3942



15.1025, 22.5366, 11.4411

Complementary

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



19.9876, 22.5366, 60.4233



26.8534, 16.7397, 1.8172

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.



18.3469, 22.5366, 7.3163



19.9876, 22.5366, 60.4233



27.7270, 22.5366, 9.3545

Square

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



19.9876, 22.5366, 60.4233



31.7475, 22.5366, 28.9809



22.9200, 22.5366, 6.7275



13.6176, 22.5366, 20.5750

Rectangle

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



19.9876, 22.5366, 60.4233



27.9463, 22.5366, 50.1338



22.9200, 22.5366, 6.7275



15.9988, 22.5366, 9.5891

Sweetspot

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



19.9885, 22.5373, 60.4239



64.8899, 73.4739, 105.3696



22.5372, 43.5639, 12.1664



13.1742, 15.0529, 22.4611



0.0000, 0.0000, 0.0000



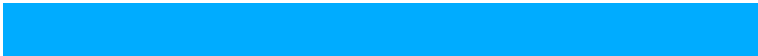
20.3446, 21.4041, 23.3091

Same Dimension

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



19.9885, 22.5373, 60.4239



32.8942, 36.9085, 99.9981



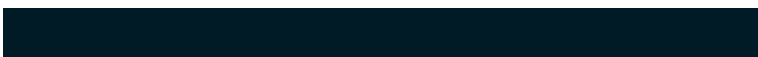
11.5752, 5.7107, 57.6194



11.2253, 12.0911, 14.3126



12.6666, 14.3572, 38.0599



0.7205, 0.8747, 1.9858

Inverse Universe

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



29.4901, 14.6736, 25.3232



48.7327, 24.2571, 41.3860



38.6497, 40.3322, 5.7493



11.5271, 11.3396, 13.3103



18.6044, 9.2524, 16.1675



0.9936, 0.4908, 1.0122

Previews

White Background



This preview shows how the XYZ color 19.9876, 22.5366, 60.4233 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 19.9876, 22.5366, 60.4233 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

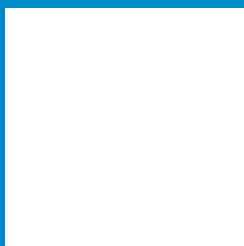
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9876, 22.5366, 60.4233

Background



This preview shows how black text looks on a background with the XYZ color 19.9876, 22.5366, 60.4233.

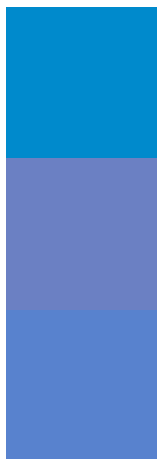


This preview shows how white text looks on a background with the XYZ color 19.9876, 22.5366,

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

19.9876, 22.5366, 60.4233

Protanopia

23.6329, 22.5043, 54.7279

Deuteranopia

23.1477, 22.4962, 61.5147

Trichromacy



Original Color

19.9876, 22.5366, 60.4233

Protanomaly

20.8282, 21.8087, 56.5378

Deuteranomaly

21.0379, 22.0236, 60.8998

Monochromacy



Original Color

19.9876, 22.5366, 60.4233

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.2258, 15.5425, 27.1139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9876, 22.5366, 60.4233 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, 138, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 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, 138, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 204) }
```

Border

The CSS property to change the border of an element to XYZ 19.9876, 22.5366, 60.4233 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, 138, 204) }
```

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

```
.border{ border-color:rgb(0, 138, 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, 138, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
204) }
```


Background

The CSS property to change the background color of an element to XYZ 19.9876, 22.5366, 60.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 204) }
```

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

```
.background{ background-color: rgb(0, 138,  
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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