

Converting Colors

XYZ(17.0922, 22.2587, 56.8259)

Have a look what the booklet for
XYZ(17.0922, 22.2587, 56.8259)
contains.

XYZ(20.0155, 23.7221, 56.9500)	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(20.0155, 23.7221,
56.9500)**

Conversions

Conversions Part 1

Format	Color
Hex	008FC6
RGB	0, 143, 198
RGB Percent	0%, 56%, 78%
CMY	0.9998, 0.4392, 0.2235
CMYK	1.00, 0.28, 0.00, 0.22
HSL	197°, 100%, 39%
HSV	197°, 100%, 78%
XYZ	20.0155, 23.7221, 56.9500
YIQ	106.5130, -102.8830, -13.2110

Conversions

Conversions Part 2

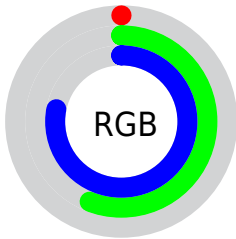
Format	Color
RYB	0, 83, 198
Decimal	36806
CIELab	55.81, -12.05, -37.33
CIELCh	56, 39.230, 252.116
Yxy	23.7221, 0.1988, 0.2356
Android (android.graphics.Color)	4278226886 (0xFF008FC6)
YUV	106.5130, 45.1031, -93.4119
Hunter-Lab	48.7053, -11.8796, -35.2327

Details

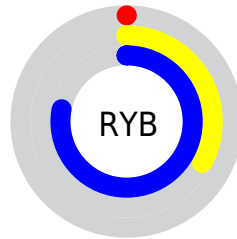
The XYZ color **20.0155, 23.7221, 56.9500** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **24.6574, 14.7425, 1.5473**, and the grayscale version is **13.7444, 14.4602, 15.7472**.

A 20% lighter version of the original color is **43.0533, 49.7492, 101.9411**, and **8.9484, 9.8423, 27.8137** is the 20% darker color. If you saturate the color by 10%, you get **20.0140, 23.7189, 56.9500**, and if you desaturate by 10%, it is **21.1474, 25.5622, 57.2460**.

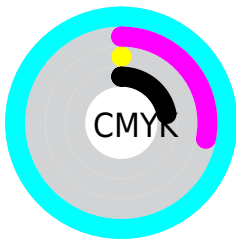
Distribution



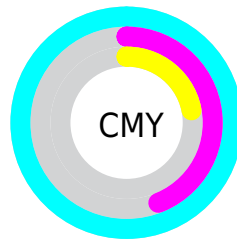
- Red (0%)
- Green (56%)
- Blue (78%)



- Red (0%)
- Yellow (33%)
- Blue (78%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (44%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0155, 23.7221, 56.9500 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 20.0155, 23.7221, 56.9500 by changing the saturation by 10% instead.

■ 20.0155, 23.7221,
56.9500

■ 20.0155, 23.7221,
56.9500

244.8310,
271.4125, 430.7504

■ 12.5146, 15.1276,
40.5560

■ 42.9469, 49.5763,
101.8918

■ 7.1699, 8.9090,
27.6552

■ 59.1082, 67.6048,
131.2768

■ 3.6158, 4.6819,
17.8292

■ 78.8870, 89.5468,
165.8291

■ 1.4872, 2.0618,
10.6592

■ 102.6486,
115.7867, 205.9673

■ 0.3171, 0.6430,
5.7269

■ 130.7585,
146.7088, 252.1100

■ 0.0000, 0.0000,
2.6137

■ 163.5819,

■ 0.0000, 0.0000,

182.6975, 304.6758

0.8995

201.4843,
224.1373, 364.0830

■ 0.0000, 0.0000,
0.0000

■ 20.0155, 23.7221,
56.9500

■ 20.0155, 23.7221,
56.9500

■ 20.0140, 23.7189,
56.9500

■ 21.1474, 25.5622,
57.2460

■ 22.6107, 27.6337,
57.5687

■ 24.5084, 29.9910,
57.9237

■ 26.8942, 32.6625,
58.3136

■ 29.8136, 35.6725,
58.7407

■ 33.3066, 39.0422,
59.2071

■ 37.4091, 42.7911,
59.7144

■ 42.1540, 46.9368,
60.2646

■ 47.5718, 51.4958,
60.8590

Harmonies

Analogous

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



16.7668, 23.7221, 46.0419



20.0155, 23.7221, 56.9500



24.3948, 23.7221, 58.0403

Triad

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



20.0155, 23.7221, 56.9500



32.0109, 23.7221, 21.0112



17.2726, 23.7221, 11.5617

Complementary

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



20.0155, 23.7221, 56.9500



24.6574, 14.7425, 1.5473

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.



20.7952, 23.7221, 8.4925



20.0155, 23.7221, 56.9500



29.5233, 23.7221, 12.6146

Square

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



20.0155, 23.7221, 56.9500



31.7297, 23.7221, 34.1270



25.2837, 23.7221, 8.8008



15.3328, 23.7221, 18.9991

Rectangle

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



20.0155, 23.7221, 56.9500



27.4189, 23.7221, 52.7052



25.2837, 23.7221, 8.8008



18.2896, 23.7221, 10.1154

Sweetspot

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



20.0164, 23.7229, 56.9506



65.8755, 75.4451, 105.6981



20.8336, 40.6444, 10.0951



13.4104, 15.5253, 22.5398



0.0000, 0.0000, 0.0000



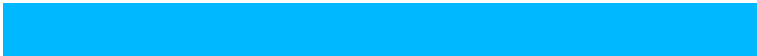
20.3446, 21.4041, 23.3091

Same Dimension

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



20.0164, 23.7229, 56.9506



35.2220, 41.5641, 100.7740



11.1799, 6.0499, 54.0051



10.6880, 11.5500, 13.5836



13.0904, 15.5748, 37.0607



0.6784, 0.8547, 1.7744

Inverse Universe

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



28.2474, 13.9901, 27.1987



49.9077, 24.7271, 47.5732



34.4868, 34.4012, 4.8237



10.9525, 10.7644, 12.7333



18.4068, 9.1123, 17.8838



0.9011, 0.4433, 1.0026

Previews

White Background



This preview shows how the XYZ color 20.0155, 23.7221, 56.9500 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 20.0155, 23.7221, 56.9500 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

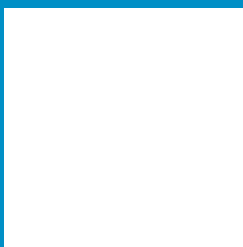
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0155, 23.7221, 56.9500

Background



This preview shows how black text looks on a background with the XYZ color 20.0155, 23.7221, 56.9500.

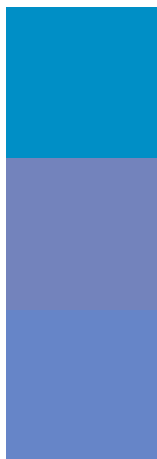


This preview shows how white text looks on a background with the XYZ color 20.0155, 23.7221,

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

20.0155, 23.7221, 56.9500

Protanopia

24.2636, 23.5083, 50.8357

Deuteranopia

24.2923, 23.7700, 57.9513



Tritanopia

16.8479, 23.6830, 36.4842

Trichromacy



Original Color

20.0155, 23.7221, 56.9500

Protanomaly

20.9261, 22.5502, 53.1189

Deuteranomaly

21.4344, 23.1387, 57.3693

Tritanomaly

17.8217, 23.5749, 43.1463

Monochromacy



Original Color

20.0155, 23.7221, 56.9500

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.8340, 16.5553, 27.2773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0155, 23.7221, 56.9500 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, 143, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 198)  
}
```

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, 143, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 198) }
```

Border

The CSS property to change the border of an element to XYZ 20.0155, 23.7221, 56.9500 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, 143, 198) }
```


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

```
.border{ border-color:rgb(0, 143, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0155, 23.7221, 56.9500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 198) }
```

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

```
.background{ background-color: rgb(0, 143,  
198) }
```

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