

Converting Colors

XYZ(8.1890, 16.7162, 63.2548)

Have a look what the booklet for
XYZ(8.1890, 16.7162, 63.2548)
contains.

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Color

**XYZ(20.8867, 23.3596,
63.7296)**

Conversions

Conversions Part 1

Format	Color
Hex	008CD1
RGB	0, 140, 209
RGB Percent	0%, 55%, 82%
CMY	0.9998, 0.4510, 0.1804
CMYK	1.00, 0.33, 0.00, 0.18
HSL	200°, 100%, 41%
HSV	200°, 100%, 82%
XYZ	20.8867, 23.3596, 63.7296
YIQ	106.0060, -105.5890, -8.2210

Conversions

Conversions Part 2

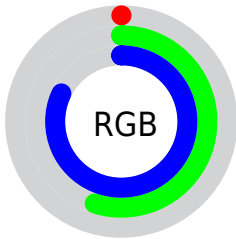
Format	Color
RYB	0, 84, 209
Decimal	36049
CIELab	55.44, -6.21, -44.12
CIELCh	55, 44.559, 261.992
Yxy	23.3596, 0.1934, 0.2163
Android (android.graphics.Color)	4278226129 (0xFF008CD1)
YUV	106.0060, 50.7760, -92.9673
Hunter-Lab	48.3318, -7.4414, -44.3467

Details

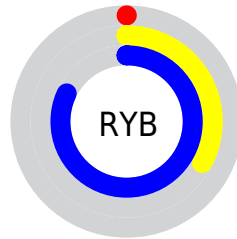
The XYZ color **20.8867, 23.3596, 63.7296** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **28.4261, 17.8177, 1.9423**, and the grayscale version is **13.5916, 14.2994, 15.5721**.

A 20% lighter version of the original color is **42.3755, 48.0693, 101.6526**, and **9.4889, 9.6454, 31.9335** is the 20% darker color. If you saturate the color by 10%, you get **20.8846, 23.3553, 63.7294**, and if you desaturate by 10%, it is **22.2355, 25.5996, 64.0914**.

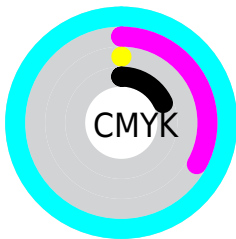
Distribution



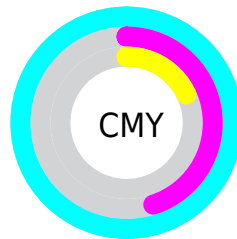
- Red (0%)
- Green (55%)
- Blue (82%)



- Red (0%)
- Yellow (33%)
- Blue (82%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (45%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8867, 23.3596, 63.7296 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 20.8867, 23.3596, 63.7296 by changing the saturation by 10% instead.

■ 20.8867, 23.3596,
63.7296

■ 20.8867, 23.3596,
63.7296

249.4189,
269.5666, 456.3932

■ 13.1532, 14.8593,
45.9869

■ 44.3916, 48.9831,
111.8171

■ 7.6119, 8.7207,
31.8869

■ 60.8937, 66.8751,
142.9991

■ 3.8973, 4.5594,
21.0110

■ 81.0494, 88.6664,
179.4979

■ 1.6442, 1.9912,
12.9407

■ 105.2240,
114.7414, 221.7320

■ 0.4210, 0.6023,
7.2575

■ 133.7829,
145.4845, 270.1201

■ 0.0000, 0.0000,
3.5428

167.0914,

■ 0.0000, 0.0000,

181.2802, 325.0806

1.3780

205.5150,
222.5128, 387.0321

■ 0.0000, 0.0000,
0.1245

■ 0.0000, 0.0000,
0.0000

■ 20.8867, 23.3596,
63.7296

■ 20.8867, 23.3596,
63.7296

■ 20.8846, 23.3553,
63.7294

■ 22.2355, 25.5996,
64.0914

■ 23.9807, 28.1392,
64.4896

■ 26.2362, 31.0391,
64.9305

■ 29.0638, 34.3327,
65.4172

■ 32.5162, 38.0487,
65.9525

■ 36.6394, 42.2124,
66.5388

■ 41.4750, 46.8465,
67.1784

■ 47.0609, 51.9723,
67.8734

■ 53.4322, 57.6091,
68.6256

Harmonies

Analogous

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



16.7807, 23.3596, 53.9720



20.8867, 23.3596, 63.7296



26.0109, 23.3596, 60.5746

Triad

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



20.8867, 23.3596, 63.7296



32.3923, 23.3596, 16.4351



15.4414, 23.3596, 11.9424

Complementary

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



20.8867, 23.3596, 63.7296



28.4261, 17.8177, 1.9423

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.



18.7854, 23.3596, 7.4652



20.8867, 23.3596, 63.7296



28.6821, 23.3596, 9.2957

Square

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



20.8867, 23.3596, 63.7296



33.1798, 23.3596, 29.4773



23.5726, 23.3596, 6.7231



13.9606, 23.3596, 21.7796

Rectangle

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



20.8867, 23.3596, 63.7296



29.2952, 23.3596, 51.9610



23.5726, 23.3596, 6.7231



16.3585, 23.3596, 9.9405

Sweetspot

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



20.8876, 23.3603, 63.7302



64.7491, 73.1924, 105.3226



23.7910, 45.9975, 12.8124



13.1405, 14.9855, 22.4499



0.0000, 0.0000, 0.0000



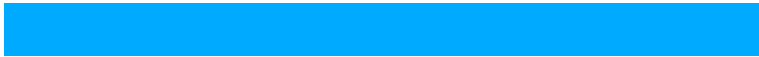
20.3446, 21.4041, 23.3091

Same Dimension

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



20.8876, 23.3603, 63.7302



32.5741, 36.2683, 99.8914



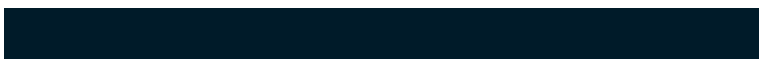
12.2139, 6.0130, 60.8390



11.8157, 12.7217, 15.0764



12.9703, 14.5872, 39.3245



0.7962, 0.9577, 2.2224

Inverse Universe

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



31.0290, 15.4500, 26.1582



48.5711, 24.1924, 40.5351



40.8000, 42.5655, 6.0670



12.1379, 11.9399, 14.0019



19.1775, 9.5439, 16.3730



1.1081, 0.5480, 1.1042

Previews

White Background



This preview shows how the XYZ color 20.8867, 23.3596, 63.7296 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 20.8867, 23.3596, 63.7296 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

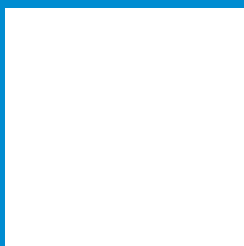
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8867, 23.3596, 63.7296

Background



This preview shows how black text looks on a background with the XYZ color 20.8867, 23.3596, 63.7296.

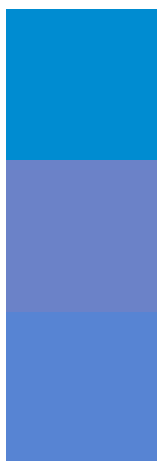


This preview shows how white text looks on a background with the XYZ color 20.8867, 23.3596,

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

20.8867, 23.3596, 63.7296

Protanopia

24.4714, 23.2612, 57.8437

Deuteranopia

23.9396, 23.2319, 64.8505

Trichromacy



Original Color

20.8867, 23.3596, 63.7296

Protanomaly

21.6885, 22.5909, 59.7173

Deuteranomaly

21.8724, 22.7933, 64.2195

Monochromacy



Original Color

20.8867, 23.3596, 63.7296

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.7511, 16.1333, 28.3759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8867, 23.3596, 63.7296 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, 140, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 209)  
}
```

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, 140, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 209) }
```

Border

The CSS property to change the border of an element to XYZ 20.8867, 23.3596, 63.7296 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, 140, 209) }
```

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

```
.border{ border-color:rgb(0, 140, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
209) }
```


Background

The CSS property to change the background color of an element to XYZ 20.8867, 23.3596, 63.7296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 209) }
```

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

```
.background{ background-color: rgb(0, 140,  
209) }
```

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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