

Converting Colors

XYZ(5.5689, 15.3338, 62.6676)

Have a look what the booklet for
XYZ(5.5689, 15.3338, 62.6676)
contains.

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Color

**XYZ(20.7412, 23.0687,
63.6811)**

Conversions

Conversions Part 1

Format	Color
Hex	008BD1
RGB	0, 139, 209
RGB Percent	0%, 55%, 82%
CMY	0.9998, 0.4549, 0.1804
CMYK	1.00, 0.33, 0.00, 0.18
HSL	200°, 100%, 41%
HSV	200°, 100%, 82%
XYZ	20.7412, 23.0687, 63.6811
YIQ	105.4190, -105.3140, -7.6980

Conversions

Conversions Part 2

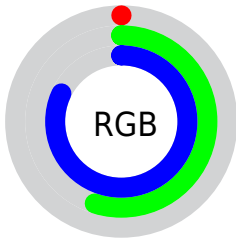
Format	Color
RYB	0, 83, 209
Decimal	35793
CIELab	55.14, -5.63, -44.60
CIELCh	55, 44.949, 262.809
Yxy	23.0687, 0.1930, 0.2146
Android (android.graphics.Color)	4278225873 (0xFF008BD1)
YUV	105.4190, 51.0654, -92.4525
Hunter-Lab	48.0299, -6.9690, -44.9896

Details

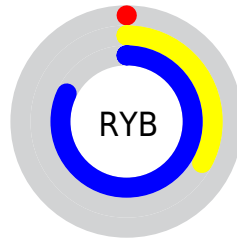
The XYZ color **20.7412, 23.0687, 63.6811** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **28.4878, 17.9412, 1.9628**, and the grayscale version is **13.4309, 14.1303, 15.3879**.

A 20% lighter version of the original color is **42.1552, 47.6286, 101.5792**, and **9.4051, 9.4779, 31.9056** is the 20% darker color. If you saturate the color by 10%, you get **20.7394, 23.0649, 63.6810**, and if you desaturate by 10%, it is **22.0961, 25.3210, 64.0449**.

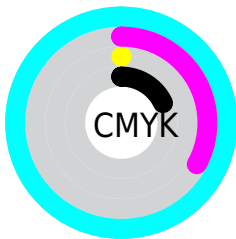
Distribution



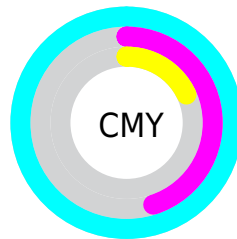
- Red (0%)
- Green (55%)
- Blue (82%)



- 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 20.7412, 23.0687, 63.6811 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 20.7412, 23.0687, 63.6811 by changing the saturation by 10% instead.

■ 20.7412, 23.0687,
63.6811

■ 20.7412, 23.0687,
63.6811

248.6577,
268.0777, 456.2129

■ 13.0463, 14.6442,
45.9479

■ 44.1509, 48.5061,
111.7466

■ 7.5377, 8.5701,
31.8563

■ 60.5966, 66.2878,
142.9160

■ 3.8499, 4.4618,
20.9879

■ 80.6898, 87.9575,
179.4011

■ 1.6176, 1.9351,
12.9240

■ 104.7960,
113.8994, 221.6206

■ 0.4038, 0.5694,
7.2461

■ 133.2805,
144.4979, 269.9930

■ 0.0000, 0.0000,
3.5357

166.5088,

■ 0.0000, 0.0000,

180.1376, 324.9369

1.3743

204.8460,
221.2027, 386.8706

■ 0.0000, 0.0000,
0.1215

■ 0.0000, 0.0000,
0.0000

■ 20.7412, 23.0687,
63.6811

■ 20.7412, 23.0687,
63.6811

■ 20.7394, 23.0649,
63.6810

■ 22.0961, 25.3210,
64.0449

■ 23.8491, 27.8763,
64.4458

■ 26.1141, 30.7954,
64.8898

■ 28.9531, 34.1119,
65.3804

■ 32.4187, 37.8546,
65.9201

■ 36.5570, 42.0487,
66.5115

■ 41.4097, 46.7173,
67.1569

■ 47.0147, 51.8815,
67.8583

■ 53.4072, 57.5609,
68.6176

Harmonies

Analogous

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



16.5991, 23.0687, 54.1616



20.7412, 23.0687, 63.6811



25.8802, 23.0687, 60.1380

Triad

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



20.7412, 23.0687, 63.6811



32.0688, 23.0687, 15.8620



15.1072, 23.0687, 11.8508

Complementary

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



20.7412, 23.0687, 63.6811



28.4878, 17.9412, 1.9628

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.



18.3968, 23.0687, 7.2940



20.7412, 23.0687, 63.6811



28.2859, 23.0687, 8.9172

Square

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



20.7412, 23.0687, 63.6811



32.9505, 23.0687, 28.7354



23.1553, 23.0687, 6.4751



13.6839, 23.0687, 21.8175

Rectangle

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



20.7412, 23.0687, 63.6811



29.1525, 23.0687, 51.3095



23.1553, 23.0687, 6.4751



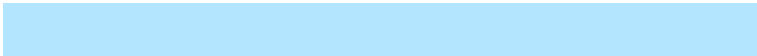
16.0050, 23.0687, 9.8182

Sweetspot

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



20.7421, 23.0694, 63.6817



64.6477, 72.9895, 105.2888



23.8971, 46.0399, 13.3713



13.1163, 14.9370, 22.4418



0.0000, 0.0000, 0.0000



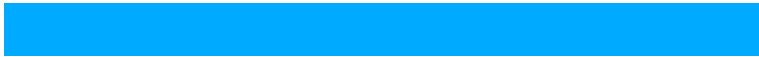
20.3446, 21.4041, 23.3091

Same Dimension

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



20.7421, 23.0694, 63.6817



32.3455, 35.8110, 99.8152



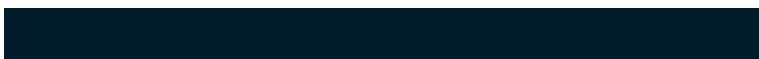
12.1065, 5.7982, 60.8032



11.8109, 12.7120, 15.0748



12.8813, 14.4092, 39.2948



0.7917, 0.9486, 2.2209

Inverse Universe

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



30.9555, 15.4205, 25.7716



48.4557, 24.1463, 39.9273



41.4647, 43.8951, 6.2884



12.1354, 11.9389, 13.9890



19.1326, 9.5259, 16.1363



1.1059, 0.5471, 1.0923

Previews

White Background



This preview shows how the XYZ color 20.7412, 23.0687, 63.6811 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 20.7412, 23.0687, 63.6811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

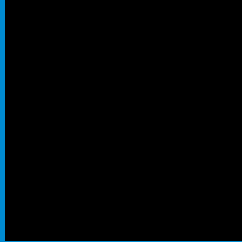
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.7412, 23.0687, 63.6811

Background



This preview shows how black text looks on a background with the XYZ color 20.7412, 23.0687, 63.6811.

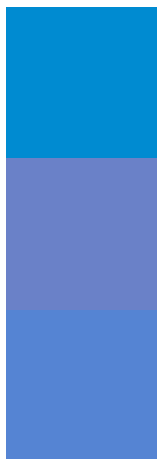


This preview shows how white text looks on a background with the XYZ color 20.7412, 23.0687,

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

20.7412, 23.0687, 63.6811

Protanopia

24.2194, 22.9348, 57.7939

Deuteranopia

23.7554, 23.1370, 64.8419



Tritanopia

16.3647, 22.9921, 35.4737

Trichromacy



Original Color

20.7412, 23.0687, 63.6811

Protanomaly

21.4818, 22.2801, 59.6682

Deuteranomaly

21.8182, 22.7654, 64.2170

Tritanomaly

17.6589, 22.7795, 44.5405

Monochromacy



Original Color

20.7412, 23.0687, 63.6811

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.6340, 15.8990, 28.3368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7412, 23.0687, 63.6811 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, 139, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 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, 139, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 209) }
```

Border

The CSS property to change the border of an element to XYZ 20.7412, 23.0687, 63.6811 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, 139, 209) }
```


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

```
.border{ border-color:rgb(0, 139, 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, 139, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7412, 23.0687, 63.6811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 209) }
```

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

```
.background{ background-color: rgb(0, 139,  
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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