

Converting Colors

XYZ(20.1645, 22.4557, 63.6994)

Have a look what the booklet for
XYZ(20.1645, 22.4557, 63.6994)
contains.

XYZ(20.5971, 22.7804, 63.6331)	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(20.5971, 22.7804,
63.6331)**

Conversions

Conversions Part 1

Format	Color
Hex	008AD1
RGB	0, 138, 209
RGB Percent	0%, 54%, 82%
CMY	0.9998, 0.4588, 0.1804
CMYK	1.00, 0.34, 0.00, 0.18
HSL	200°, 100%, 41%
HSV	200°, 100%, 82%
XYZ	20.5971, 22.7804, 63.6331
YIQ	104.8320, -105.0390, -7.1750

Conversions

Conversions Part 2

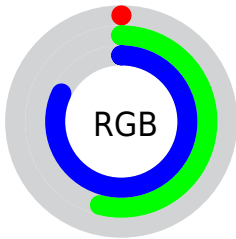
Format	Color
R _Y B	0, 83, 209
Decimal	35537
CIE Lab	54.85, -5.04, -45.07
CIE LCh	55, 45.347, 263.616
Yxy	22.7804, 0.1925, 0.2129
Android (android.graphics.Color)	4278225617 (0xFF008AD1)
YUV	104.8320, 51.3548, -91.9377
Hunter-Lab	47.7288, -6.4948, -45.6365

Details

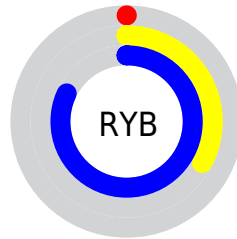
The XYZ color **20.5971, 22.7804, 63.6331** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **28.5513, 18.0681, 1.9841**, and the grayscale version is **13.2720, 13.9632, 15.2059**.

A 20% lighter version of the original color is **41.9363, 47.1909, 101.5062**, and **9.4051, 9.4779, 31.9056** is the 20% darker color. If you saturate the color by 10%, you get **20.5950, 22.7761, 63.6329**, and if you desaturate by 10%, it is **21.9580, 25.0446, 63.9989**.

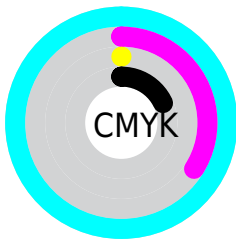
Distribution



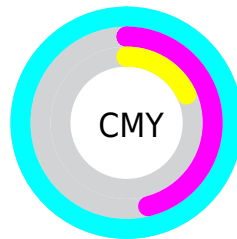
- Red (0%)
- Green (54%)
- Blue (82%)



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



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (46%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5971, 22.7804, 63.6331 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 20.5971, 22.7804, 63.6331 by changing the saturation by 10% instead.

■ 20.5971, 22.7804,
63.6331

■ 20.5971, 22.7804,
63.6331

247.9019,
266.5951, 456.0345

■ 12.9406, 14.4314,
45.9093

■ 43.9124, 48.0325,
111.6768

■ 7.4644, 8.4213,
31.8261

■ 60.3019, 65.7044,
142.8337

■ 3.8031, 4.3657,
20.9650

■ 80.3330, 87.2528,
179.3054

■ 1.5913, 1.8802,
12.9074

■ 104.3713,
113.0620, 221.5104

■ 0.3868, 0.5364,
7.2348

■ 132.7819,
143.5164, 269.8673

■ 0.0000, 0.0000,
3.5287

165.9303,

■ 0.0000, 0.0000,

179.0005, 324.7946

1.3705

204.1819,
219.8986, 386.7108

■ 0.0000, 0.0000,
0.1186

■ 0.0000, 0.0000,
0.0000

■ 20.5971, 22.7804,
63.6331

■ 20.5971, 22.7804,
63.6331

■ 20.5950, 22.7761,
63.6329

■ 21.9580, 25.0446,
63.9989

■ 23.7188, 27.6154,
64.4023

■ 25.9934, 30.5537,
64.8496

■ 28.8440, 33.8930,
65.3439

■ 32.3230, 37.6623,
65.8881

■ 36.4767, 41.8870,
66.4846

■ 41.3468, 46.5902,
67.1357

■ 46.9712, 51.7931,
67.8435

■ 53.3853, 57.5153,
68.6100

Harmonies

Analogous

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



16.4193, 22.7804, 54.3534



20.5971, 22.7804, 63.6331



25.7507, 22.7804, 59.7023

Triad

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



20.5971, 22.7804, 63.6331



31.7474, 22.7804, 15.3015



14.7779, 22.7804, 11.7606

Complementary

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



20.5971, 22.7804, 63.6331



28.5513, 18.0681, 1.9841

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.



18.0132, 22.7804, 7.1259



20.5971, 22.7804, 63.6331



27.8929, 22.7804, 8.5487

Square

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



20.5971, 22.7804, 63.6331



32.7226, 22.7804, 28.0044



22.7425, 22.7804, 6.2333



13.4110, 22.7804, 21.8572

Rectangle

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



20.5971, 22.7804, 63.6331



29.0110, 22.7804, 50.6617



22.7425, 22.7804, 6.2333



15.6564, 22.7804, 9.6977

Sweetspot

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



20.5980, 22.7811, 63.6337



64.5461, 72.7863, 105.2550



23.8973, 46.0400, 13.3718



13.0920, 14.8884, 22.4337



0.0000, 0.0000, 0.0000



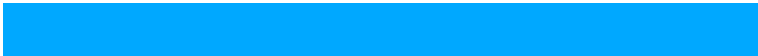
20.3446, 21.4041, 23.3091

Same Dimension

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



20.5980, 22.7811, 63.6337



32.1181, 35.3562, 99.7394



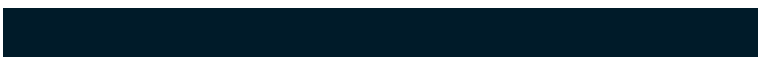
12.1067, 5.7985, 60.8032



11.8060, 12.7023, 15.0732



12.7927, 14.2321, 39.2653



0.7872, 0.9397, 2.2194

Inverse Universe

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



30.8828, 15.3915, 25.3884



48.3409, 24.1004, 39.3229



41.4650, 43.8955, 6.2886



12.1330, 11.9379, 13.9761



19.0879, 9.5080, 15.9009



1.1036, 0.5462, 1.0803

Previews

White Background



This preview shows how the XYZ color 20.5971, 22.7804, 63.6331 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 20.5971, 22.7804, 63.6331 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

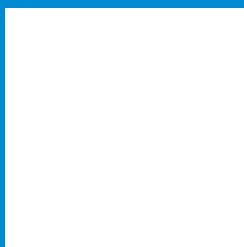
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5971, 22.7804, 63.6331

Background



This preview shows how black text looks on a background with the XYZ color 20.5971, 22.7804, 63.6331.

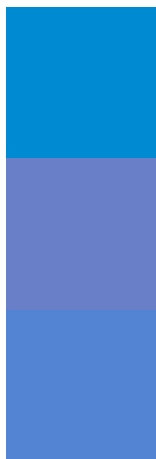


This preview shows how white text looks on a background with the XYZ color 20.5971, 22.7804,

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

20.5971, 22.7804, 63.6331

Protanopia

23.9702, 22.6117, 57.7447

Deuteranopia

23.4415, 22.7747, 64.7885



Tritanopia

16.1261, 22.6511, 34.9747

Trichromacy



Original Color

20.5971, 22.7804, 63.6331

Protanomaly

21.3455, 22.0076, 59.6228

Deuteranomaly

21.6262, 22.4602, 64.1682

Tritanomaly

17.4109, 22.4411, 43.9714

Monochromacy



Original Color

20.5971, 22.7804, 63.6331

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 20.5971, 22.7804, 63.6331 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 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, 138, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 209) }
```

Border

The CSS property to change the border of an element to XYZ 20.5971, 22.7804, 63.6331 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, 209) }
```


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

```
.border{ border-color:rgb(0, 138, 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, 138, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5971, 22.7804, 63.6331 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, 209) }
```

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

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

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