

Converting Colors

XYZ(20.1473, 22.5541, 61.4082)

Have a look what the booklet for
XYZ(20.1473, 22.5541, 61.4082)
contains.

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Color

**XYZ(20.2291, 22.6332,
61.6950)**

Conversions

Conversions Part 1

Format	Color
Hex	008ACE
RGB	0, 138, 206
RGB Percent	0%, 54%, 81%
CMY	0.9998, 0.4588, 0.1922
CMYK	1.00, 0.33, 0.00, 0.19
HSL	200°, 100%, 40%
HSV	200°, 100%, 81%
XYZ	20.2291, 22.6332, 61.6950
YIQ	104.4900, -104.0760, -8.1080

Conversions

Conversions Part 2

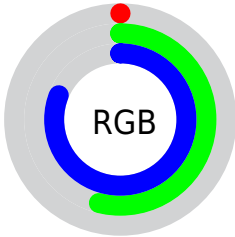
Format	Color
R _Y B	0, 83, 206
Decimal	35534
CIE Lab	54.69, -6.18, -43.61
CIE LCh	55, 44.051, 261.932
Yxy	22.6332, 0.1935, 0.2165
Android (android.graphics.Color)	4278225614 (0xFF008ACE)
YUV	104.4900, 50.0444, -91.6377
Hunter-Lab	47.5744, -7.3551, -43.5859

Details

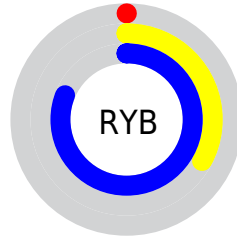
The XYZ color **20.2291, 22.6332, 61.6950** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **27.5243, 17.2624, 1.8827**, and the grayscale version is **13.1836, 13.8702, 15.1047**.

A 20% lighter version of the original color is **41.8264, 47.1343, 101.5011**, and **9.0756, 9.2138, 30.5783** is the 20% darker color. If you saturate the color by 10%, you get **20.2269, 22.6288, 61.6948**, and if you desaturate by 10%, it is **21.5379, 24.8025, 62.0452**.

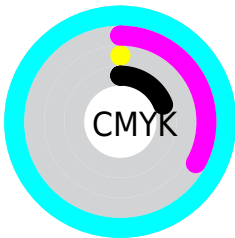
Distribution



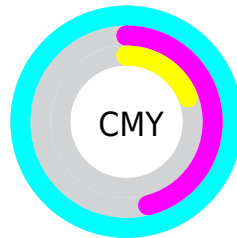
- Red (0%)
- Green (54%)
- Blue (81%)



- Red (0%)
- Yellow (33%)
- Blue (81%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (46%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2291, 22.6332, 61.6950 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 20.2291, 22.6332, 61.6950 by changing the saturation by 10% instead.

■ 20.2291, 22.6332,
61.6950

■ 20.2291, 22.6332,
61.6950

245.9627,
265.8354, 448.7946

■ 12.6709, 14.3229,
44.3521

■ 43.3020, 47.7903,
108.8519

■ 7.2778, 8.3456,
30.6082

■ 59.5474, 65.4060,
139.5030

■ 3.6843, 4.3169,
20.0447

■ 79.4192, 86.8922,
175.4273

■ 1.5251, 1.8523,
12.2432

■ 103.2829,
112.6333, 217.0432

■ 0.3428, 0.5195,
6.7850

■ 131.5037,
143.0138, 264.7693

■ 0.0000, 0.0000,
3.2516

164.4470,

■ 0.0000, 0.0000,

178.4181, 319.0243

1.2245

202.4782,
219.2305, 380.2265

■ 0.0000, 0.0000,
0.0000

■ 20.2291, 22.6332,
61.6950

■ 20.2291, 22.6332,
61.6950

■ 20.2269, 22.6288,
61.6948

■ 21.5379, 24.8025,
62.0452

■ 23.2293, 27.2612,
62.4307

■ 25.4142, 30.0681,
62.8573

■ 28.1524, 33.2557,
63.3282

■ 31.4944, 36.8515,
63.8462

■ 35.4848, 40.8799,
64.4134

■ 40.1636, 45.3630,
65.0321

■ 45.5676, 50.3211,
65.7043

■ 51.7305, 55.7731,
66.4318

Harmonies

Analogous

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



16.2570, 22.6332, 52.2327



20.2291, 22.6332, 61.6950



25.1884, 22.6332, 58.6683

Triad

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



20.2291, 22.6332, 61.6950



31.3793, 22.6332, 15.9504



14.9713, 22.6332, 11.5670

Complementary

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



20.2291, 22.6332, 61.6950



27.5243, 17.2624, 1.8827

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.



18.2123, 22.6332, 7.2387



20.2291, 22.6332, 61.6950



27.7930, 22.6332, 9.0255

Square

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



20.2291, 22.6332, 61.6950



32.1349, 22.6332, 28.5874



22.8484, 22.6332, 6.5259



13.5338, 22.6332, 21.0805

Rectangle

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



20.2291, 22.6332, 61.6950



28.3685, 22.6332, 50.3454



22.8484, 22.6332, 6.5259



15.8605, 22.6332, 9.6313

Sweetspot

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



20.2300, 22.6339, 61.6956



64.7500, 73.1942, 105.3229



23.0341, 44.5281, 12.4226



13.1407, 14.9860, 22.4499



0.0000, 0.0000, 0.0000



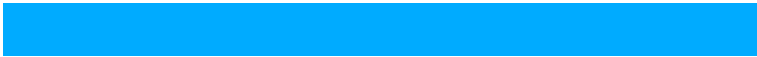
20.3446, 21.4041, 23.3091

Same Dimension

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



20.2300, 22.6339, 61.6956



32.5762, 36.2724, 99.8921



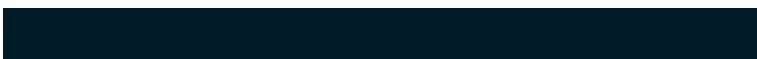
11.8283, 5.8306, 58.8950



11.2190, 12.0785, 14.3104



12.5470, 14.1180, 38.0200



0.7150, 0.8637, 1.9840

Inverse Universe

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



30.0419, 14.9580, 25.3490



48.5721, 24.1929, 40.5406



39.5017, 41.2172, 5.8752



11.5239, 11.3383, 13.2935



18.5441, 9.2282, 15.8496



0.9908, 0.4897, 0.9975

Previews

White Background



This preview shows how the XYZ color 20.2291, 22.6332, 61.6950 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 20.2291, 22.6332, 61.6950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

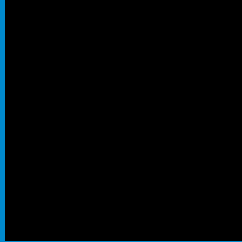
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.2291, 22.6332, 61.6950

Background



This preview shows how black text looks on a background with the XYZ color 20.2291, 22.6332, 61.6950.

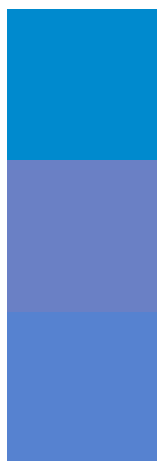


This preview shows how white text looks on a background with the XYZ color 20.2291, 22.6332,

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

20.2291, 22.6332, 61.6950

Protanopia

23.7411, 22.5337, 55.9215

Deuteranopia

23.2055, 22.4978, 62.7939



Tritanopia

16.0418, 22.6174, 34.5304

Trichromacy



Original Color

20.2291, 22.6332, 61.6950

Protanomaly

20.9913, 21.8660, 57.7578

Deuteranomaly

21.2256, 22.0923, 62.1770

Tritanomaly

17.3130, 22.4020, 43.4559

Monochromacy



Original Color

20.2291, 22.6332, 61.6950

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.5585, 15.8689, 27.9396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2291, 22.6332, 61.6950 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 206) }
```

Border

The CSS property to change the border of an element to XYZ 20.2291, 22.6332, 61.6950 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, 206) }
```


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

```
.border{ border-color:rgb(0, 138, 206) }
```

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, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2291, 22.6332, 61.6950 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, 206) }
```

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

```
.background{ background-color: rgb(0, 138,  
206) }
```

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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