

Converting Colors

XYZ(19.6944, 23.1211, 62.5665)

Have a look what the booklet for
XYZ(19.6944, 23.1211, 62.5665)
contains.

XYZ(20.9355, 23.8510, 62.5318)	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(20.9355, 23.8510,
62.5318)**

Conversions

Conversions Part 1

Format	Color
Hex	008ECF
RGB	0, 142, 207
RGB Percent	0%, 56%, 81%
CMY	0.9998, 0.4431, 0.1882
CMYK	1.00, 0.31, 0.00, 0.19
HSL	199°, 100%, 41%
HSV	199°, 100%, 81%
XYZ	20.9355, 23.8510, 62.5318
YIQ	106.9520, -105.4970, -9.8890

Conversions

Conversions Part 2

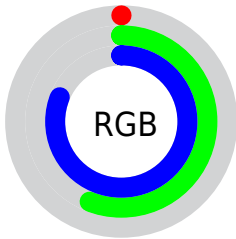
Format	Color
RYB	0, 84, 207
Decimal	36559
CIELab	55.94, -8.12, -42.21
CIELCh	56, 42.985, 259.115
Yxy	23.8510, 0.1951, 0.2222
Android (android.graphics.Color)	4278226639 (0xFF008ECF)
YUV	106.9520, 49.3237, -93.7969
Hunter-Lab	48.8375, -8.9468, -41.7290

Details

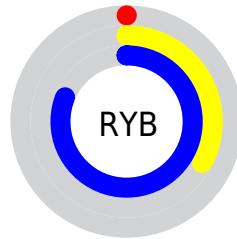
The XYZ color **20.9355, 23.8510, 62.5318** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **27.6257, 17.0517, 1.8367**, and the grayscale version is **13.8548, 14.5763, 15.8736**.

A 20% lighter version of the original color is **42.8206, 48.9595, 101.8010**, and **9.4946, 9.9213, 31.1203** is the 20% darker color. If you saturate the color by 10%, you get **20.9335, 23.8469, 62.5316**, and if you desaturate by 10%, it is **22.2355, 25.9997, 62.8785**.

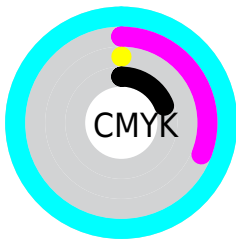
Distribution



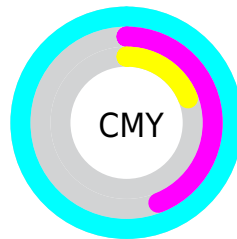
- Red (0%)
- Green (56%)
- Blue (81%)



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



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (44%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9355, 23.8510, 62.5318 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 20.9355, 23.8510, 62.5318 by changing the saturation by 10% instead.

■ 20.9355, 23.8510,
62.5318

■ 20.9355, 23.8510,
62.5318

249.6737,
272.0663, 451.9294

■ 13.1891, 15.2231,
45.0240

■ 44.4722, 49.7869,
110.0728

■ 7.6368, 8.9761,
31.1332

■ 60.9933, 67.8638,
140.9431

■ 3.9132, 4.7256,
20.4410

■ 81.1698, 89.8591,
177.1046

■ 1.6532, 2.0872,
12.5288

■ 105.3674,
116.1573, 218.9758

■ 0.4267, 0.6574,
6.9780

■ 133.9511,
147.1427, 266.9754

■ 0.0000, 0.0000,
3.3701

167.2866,

■ 0.0000, 0.0000,

183.1997, 321.5218

1.2866

205.7390,
224.7128, 383.0336

■ 0.0000, 0.0000,
0.0507

■ 0.0000, 0.0000,
0.0000

■ 20.9355, 23.8510,
62.5318

■ 20.9355, 23.8510,
62.5318

■ 20.9335, 23.8469,
62.5316

■ 22.2355, 25.9997,
62.8785

■ 23.9171, 28.4299,
63.2590

■ 26.0920, 31.2009,
63.6792

■ 28.8205, 34.3451,
64.1423

■ 32.1538, 37.8902,
64.6509

■ 36.1367, 41.8606,
65.2073

■ 40.8097, 46.2783,
65.8137

■ 46.2097, 51.1636,
66.4721

■ 52.3709, 56.5352,
67.1842

Harmonies

Analogous

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



17.0417, 23.8510, 52.1982



20.9355, 23.8510, 62.5318



25.8992, 23.8510, 60.7474

Triad

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



20.9355, 23.8510, 62.5318



32.7954, 23.8510, 18.0935



16.2629, 23.8510, 12.0025

Complementary

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



20.9355, 23.8510, 62.5318



27.6257, 17.0517, 1.8367

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.



19.7204, 23.8510, 7.9000



20.9355, 23.8510, 62.5318



29.4174, 23.8510, 10.4380

Square

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



20.9355, 23.8510, 62.5318



33.2454, 23.8510, 31.4095



24.4970, 23.8510, 7.4550



14.6146, 23.8510, 21.1973

Rectangle

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



20.9355, 23.8510, 62.5318



29.1528, 23.8510, 53.0570



24.4970, 23.8510, 7.4550



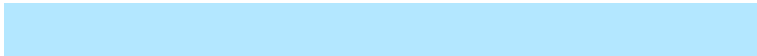
17.2269, 23.8510, 10.1487

Sweetspot

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



20.9364, 23.8518, 62.5324



65.0934, 73.8809, 105.4374



23.1868, 44.9756, 12.0358



13.2229, 15.1503, 22.4773



0.0000, 0.0000, 0.0000



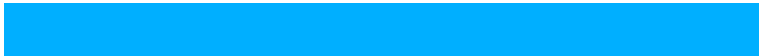
20.3446, 21.4041, 23.3091

Same Dimension

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



20.9364, 23.8518, 62.5324



33.3624, 37.8449, 100.1541



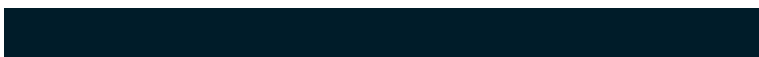
12.0714, 6.1218, 59.5774



11.8321, 12.7546, 15.0819



13.2770, 15.2005, 39.4267



0.8117, 0.9885, 2.2276

Inverse Universe

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



30.6155, 15.2196, 26.9158



48.9690, 24.3516, 42.6304



39.2981, 40.3966, 5.7275



12.1462, 11.9432, 14.0455



19.3323, 9.6058, 17.1880



1.1159, 0.5511, 1.1453

Previews

White Background



This preview shows how the XYZ color 20.9355, 23.8510, 62.5318 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 20.9355, 23.8510, 62.5318 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

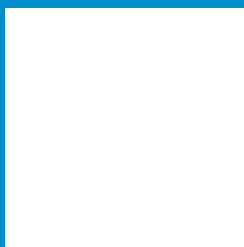
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9355, 23.8510, 62.5318

Background



This preview shows how black text looks on a background with the XYZ color 20.9355, 23.8510, 62.5318.

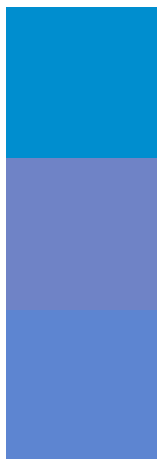


This preview shows how white text looks on a background with the XYZ color 20.9355, 23.8510,

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

20.9355, 23.8510, 62.5318

Protanopia

24.8649, 23.6893, 56.6881

Deuteranopia

24.4104, 23.7057, 63.6107



Tritanopia

16.8479, 23.6830, 36.4842

Trichromacy



Original Color

20.9355, 23.8510, 62.5318

Protanomaly

21.8051, 22.8846, 58.5263

Deuteranomaly

21.9930, 23.0922, 62.9726

Tritanomaly

18.1154, 23.6924, 44.6926

Monochromacy



Original Color

20.9355, 23.8510, 62.5318

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.0583, 16.6451, 28.4585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9355, 23.8510, 62.5318 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, 142, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 207)  
}
```

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, 142, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 207) }
```

Border

The CSS property to change the border of an element to XYZ 20.9355, 23.8510, 62.5318 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, 142, 207) }
```


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

```
.border{ border-color:rgb(0, 142, 207) }
```

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

Here you see how a box with a 4 pixel rgb(0, 142, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9355, 23.8510, 62.5318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 207) }
```

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

```
.background{ background-color: rgb(0, 142,  
207) }
```

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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