

Converting Colors

XYZ(20.5552, 24.1574, 59.1158)

Have a look what the booklet for
XYZ(20.5552, 24.1574, 59.1158)
contains.

XYZ(20.5159, 24.1636, 58.8411)	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(20.5159, 24.1636,
58.8411)**

Conversions

Conversions Part 1

Format	Color
Hex	0090C9
RGB	0, 144, 201
RGB Percent	0%, 56%, 79%
CMY	0.9998, 0.4353, 0.2118
CMYK	1.00, 0.28, 0.00, 0.21
HSL	197°, 100%, 39%
HSV	197°, 100%, 79%
XYZ	20.5159, 24.1636, 58.8411
YIQ	107.4420, -104.1210, -12.8010

Conversions

Conversions Part 2

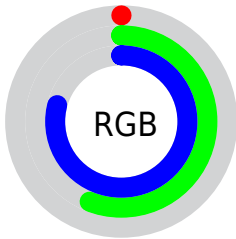
Format	Color
R _{YB}	0, 84, 201
Decimal	37065
CIE _{Lab}	56.25, -11.50, -38.33
CIE _{LCh}	56, 40.022, 253.305
Y _{xy}	24.1636, 0.1982, 0.2334
Android (android.graphics.Color)	4278227145 (0xFF0090C9)
YUV	107.4420, 46.1241, -94.2266
Hunter-Lab	49.1565, -11.5253, -36.5615

Details

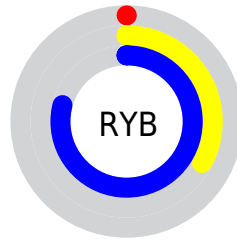
The XYZ color **20.5159, 24.1636, 58.8411** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **25.5532, 15.3484, 1.6170**, and the grayscale version is **13.9984, 14.7274, 16.0381**.

A 20% lighter version of the original color is **43.3897, 50.2608, 102.0222**, and **9.2692, 10.1120, 29.0670** is the 20% darker color. If you saturate the color by 10%, you get **20.5143, 24.1602, 58.8410**, and if you desaturate by 10%, it is **21.6932, 26.0853, 59.1505**.

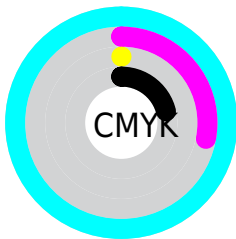
Distribution



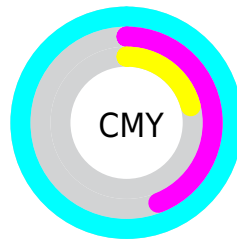
- Red (0%)
- Green (56%)
- Blue (79%)



- Red (0%)
- Yellow (33%)
- Blue (79%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (44%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5159, 24.1636, 58.8411 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 20.5159, 24.1636, 58.8411 by changing the saturation by 10% instead.

■ 20.5159, 24.1636,
58.8411

■ 20.5159, 24.1636,
58.8411

247.4751,
273.6465, 437.9983

■ 12.8810, 15.4550,
42.0660

■ 43.7778, 50.2970,
104.6735

■ 7.4231, 9.1394,
28.8271

■ 60.1356, 68.4907,
134.5680

■ 3.7768, 4.8322,
18.7056

■ 80.1317, 90.6148,
169.6727

■ 1.5766, 2.1491,
11.2831

■ 104.1316,
117.0538, 210.4061

■ 0.3771, 0.6920,
6.1410

■ 132.5005,
148.1921, 257.1869

■ 0.0000, 0.0000,
2.8608

165.6038,

■ 0.0000, 0.0000,

184.4141, 310.4334

1.0240

203.8069,
226.1041, 370.5644

■ 0.0000, 0.0000,
0.0000

■ 20.5159, 24.1636,
58.8411

■ 20.5159, 24.1636,
58.8411

■ 20.5143, 24.1602,
58.8410

■ 21.6932, 26.0853,
59.1505

■ 23.2161, 28.2505,
59.4882

■ 25.1904, 30.7151,
59.8598

■ 27.6720, 33.5086,
60.2682

■ 30.7081, 36.6563,
60.7158

■ 34.3403, 40.1804,
61.2045

■ 38.6058, 44.1012,
61.7365

■ 43.5389, 48.4369,
62.3134

■ 49.1713, 53.2047,
62.9368

Harmonies

Analogous

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



17.1071, 24.1636, 47.8173



20.5159, 24.1636, 58.8411



25.0654, 24.1636, 59.5075

Triad

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



20.5159, 24.1636, 58.8411



32.7061, 24.1636, 20.8949



17.4132, 24.1636, 11.8346

Complementary

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



20.5159, 24.1636, 58.8411



25.5532, 15.3484, 1.6170

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.



20.9887, 24.1636, 8.5438



20.5159, 24.1636, 58.8411



30.0316, 24.1636, 12.4682

Square

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



20.5159, 24.1636, 58.8411



32.5348, 24.1636, 34.2878



25.6055, 24.1636, 8.7285



15.4867, 24.1636, 19.6770

Rectangle

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



20.5159, 24.1636, 58.8411



28.1799, 24.1636, 53.7035



25.6055, 24.1636, 8.7285



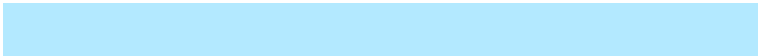
18.4398, 24.1636, 10.2979

Sweetspot

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



20.5168, 24.1644, 58.8417



65.7494, 75.1929, 105.6561



21.6255, 42.0692, 10.8490



13.3801, 15.4647, 22.5297



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.



20.5168, 24.1644, 58.8417



34.9158, 40.9517, 100.6719



11.4286, 5.9880, 55.8123



10.6827, 11.5394, 13.5818



12.9796, 15.3531, 37.0237



0.6739, 0.8456, 1.7728

Inverse Universe

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



29.1223, 14.4323, 27.6370



49.7531, 24.6652, 46.7594



36.2229, 36.6878, 5.1736



10.9499, 10.7633, 12.7192



18.3508, 9.0899, 17.5892



0.8989, 0.4424, 0.9905

Previews

White Background



This preview shows how the XYZ color 20.5159, 24.1636, 58.8411 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 20.5159, 24.1636, 58.8411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

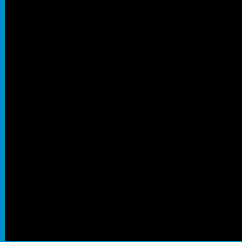
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.5159, 24.1636, 58.8411

Background



This preview shows how black text looks on a background with the XYZ color 20.5159, 24.1636, 58.8411.

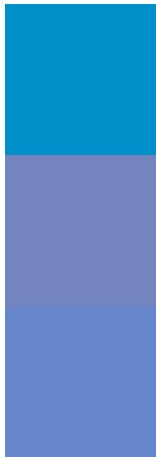


This preview shows how white text looks on a background with the XYZ color 20.5159, 24.1636,

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

20.5159, 24.1636, 58.8411

Protanopia

24.7255, 23.9090, 52.6019

Deuteranopia

24.6714, 24.1287, 59.8569



Tritanopia

17.0926, 24.0330, 36.9957

Trichromacy



Original Color

20.5159, 24.1636, 58.8411

Protanomaly

21.4021, 22.9649, 54.9344

Deuteranomaly

21.8635, 23.5312, 59.2668

Tritanomaly

18.1716, 23.9626, 44.2249

Monochromacy



Original Color

20.5159, 24.1636, 58.8411

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.9081, 16.5850, 27.6675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5159, 24.1636, 58.8411 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, 144, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 201)  
}
```

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, 144, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 201) }
```

Border

The CSS property to change the border of an element to XYZ 20.5159, 24.1636, 58.8411 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, 144, 201) }
```


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

```
.border{ border-color:rgb(0, 144, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 144, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5159, 24.1636, 58.8411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 201) }
```

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

```
.background{ background-color: rgb(0, 144,  
201) }
```

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