

Converting Colors

XYZ(13.6670, 22.2354, 53.7741)

Have a look what the booklet for
XYZ(13.6670, 22.2354, 53.7741)
contains.

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Color

**XYZ(20.5320, 25.6629,
54.3234)**

Conversions

Conversions Part 1

Format	Color
Hex	0096C1
RGB	0, 150, 193
RGB Percent	0%, 59%, 76%
CMY	0.9998, 0.4118, 0.2431
CMYK	1.00, 0.22, 0.00, 0.24
HSL	193°, 100%, 38%
HSV	193°, 100%, 76%
XYZ	20.5320, 25.6629, 54.3234
YIQ	110.0520, -103.2030, -18.4270

Conversions

Conversions Part 2

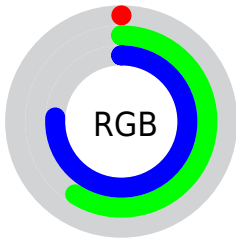
Format	Color
RYB	0, 84, 193
Decimal	38593
CIELab	57.72, -17.73, -31.53
CIELCh	58, 36.173, 240.648
Yxy	25.6629, 0.2043, 0.2553
Android (android.graphics.Color)	4278228673 (0xFF0096C1)
YUV	110.0520, 40.8934, -96.5156
Hunter-Lab	50.6586, -16.3061, -28.1183

Details

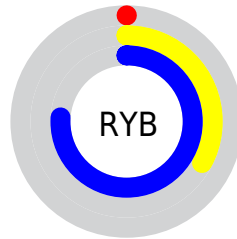
The XYZ color **20.5320, 25.6629, 54.3234** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **22.8583, 13.0686, 1.3190**, and the grayscale version is **14.7476, 15.5156, 16.8965**.

A 20% lighter version of the original color is **43.7779, 52.6292, 98.2936**, and **9.1220, 10.7878, 26.0276** is the 20% darker color. If you saturate the color by 10%, you get **20.5308, 25.6603, 54.3235**, and if you desaturate by 10%, it is **21.5067, 27.2034, 54.5699**.

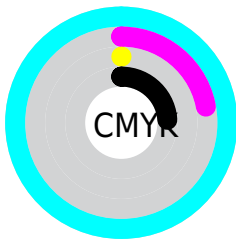
Distribution



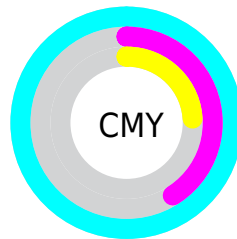
- Red (0%)
- Green (59%)
- Blue (76%)



- Red (0%)
- Yellow (33%)
- Blue (76%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (41%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5320, 25.6629, 54.3234 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 20.5320, 25.6629, 54.3234 by changing the saturation by 10% instead.

■ 20.5320, 25.6629,
54.3234

■ 20.5320, 25.6629,
54.3234

■ 247.5598,
281.1233, 420.5515

■ 12.8928, 16.5716,
38.4653

■ 43.8045, 52.7306,
98.0101

■ 7.4313, 9.9295,
26.0394

■ 60.1686, 71.4759,
126.6758

■ 3.7820, 5.3523,
16.6271

■ 80.1717, 94.2079,
160.4479

■ 1.5795, 2.4554,
9.8098

■ 104.1791,
121.3110, 199.7447

■ 0.3790, 0.8542,
5.1691

■ 132.5563,
153.1698, 244.9850

■ 0.0000, 0.0000,
2.2864

■ 165.6686,

■ 0.0000, 0.0000,

190.1685, 296.5872

0.7236

203.8813,
232.6915, 354.9698

■ 0.0000, 0.0000,
0.0000

■ 20.5320, 25.6629,
54.3234

■ 20.5320, 25.6629,
54.3234

■ 20.5308, 25.6603,
54.3235

■ 21.5067, 27.2034,
54.5699

■ 22.7791, 28.9348,
54.8370

■ 24.4477, 30.9086,
55.1301

■ 26.5624, 33.1510,
55.4514

■ 29.1658, 35.6842,
55.8032

■ 32.2951, 38.5278,
56.1871

■ 35.9838, 41.6994,
56.6049

■ 40.2626, 45.2152,
57.0580

■ 45.1598, 49.0902,
57.5478

Harmonies

Analogous

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



17.9039, 25.6629, 41.9544



20.5320, 25.6629, 54.3234



24.4862, 25.6629, 59.2328

Triad

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



20.5320, 25.6629, 54.3234



33.7062, 25.6629, 27.6736



20.3869, 25.6629, 12.0325

Complementary

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



20.5320, 25.6629, 54.3234



22.8583, 13.0686, 1.3190

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.



24.2977, 25.6629, 10.2312



20.5320, 25.6629, 54.3234



32.2836, 25.6629, 17.4597

Square

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



20.5320, 25.6629, 54.3234



32.3973, 25.6629, 41.3446



28.7074, 25.6629, 11.8793



17.8273, 25.6629, 17.8035

Rectangle

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



20.5320, 25.6629, 54.3234



27.4489, 25.6629, 56.7421



28.7074, 25.6629, 11.8793



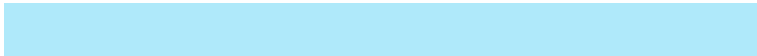
21.5706, 25.6629, 11.0349

Sweetspot

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



20.5329, 25.6638, 54.3240



64.0968, 74.3891, 101.3406



19.4860, 38.3067, 8.5435



13.1263, 15.4281, 21.6714



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



20.5329, 25.6638, 54.3240



36.5784, 45.5735, 97.2290



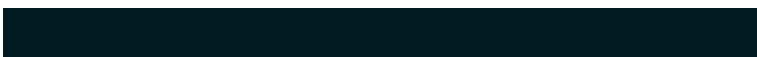
10.9790, 6.5560, 51.1394



10.1720, 11.0353, 12.8787



13.7168, 17.1902, 36.1517



0.6408, 0.8390, 1.5780

Inverse Universe

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



27.4982, 13.5406, 30.0191



49.1499, 24.2101, 53.2459



31.1287, 29.6094, 4.0758



10.3981, 10.2079, 12.1870



18.3196, 9.0176, 20.1269



0.8158, 0.3993, 0.9975

Previews

White Background



This preview shows how the XYZ color 20.5320, 25.6629, 54.3234 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 20.5320, 25.6629, 54.3234 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

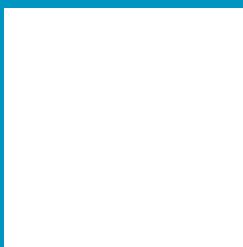
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5320, 25.6629, 54.3234

Background



This preview shows how black text looks on a background with the XYZ color 20.5320, 25.6629, 54.3234.

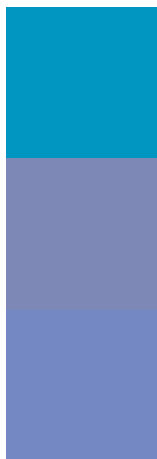


This preview shows how white text looks on a background with the XYZ color 20.5320, 25.6629,

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

20.5320, 25.6629, 54.3234

Protanopia

25.7051, 25.3457, 47.7934

Deuteranopia

26.1119, 25.5898, 55.7876



Tritanopia

18.1828, 25.4991, 39.5608

Trichromacy



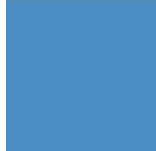
Original Color

20.5320, 25.6629, 54.3234



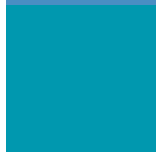
Protanomaly

21.6961, 24.3004, 50.0013



Deuteranomaly

22.3474, 24.7420, 55.2276



Tritanomaly

18.9661, 25.5516, 44.4898

Monochromacy



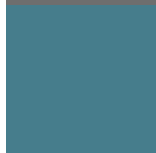
Original Color

20.5320, 25.6629, 54.3234



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

14.5930, 17.8628, 27.4897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5320, 25.6629, 54.3234 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, 150, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 193)  
}
```

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, 150, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 193) }
```

Border

The CSS property to change the border of an element to XYZ 20.5320, 25.6629, 54.3234 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, 150, 193) }
```


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

```
.border{ border-color:rgb(0, 150, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5320, 25.6629, 54.3234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 193) }
```

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

```
.background{ background-color: rgb(0, 150,  
193) }
```

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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