

Converting Colors

XYZ(20.5505, 25.1797, 55.9334)

Have a look what the booklet for
XYZ(20.5505, 25.1797, 55.9334)
contains.

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Color

**XYZ(20.5537, 25.1653,
55.9987)**

Conversions

Conversions Part 1

Format	Color
Hex	0094C4
RGB	0, 148, 196
RGB Percent	0%, 58%, 77%
CMY	0.9998, 0.4196, 0.2314
CMYK	1.00, 0.24, 0.00, 0.23
HSL	195°, 100%, 38%
HSV	195°, 100%, 77%
XYZ	20.5537, 25.1653, 55.9987
YIQ	109.2200, -103.6160, -16.4480

Conversions

Conversions Part 2

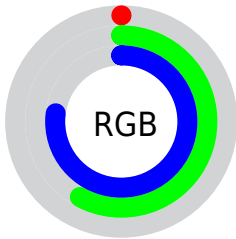
Format	Color
RYB	0, 84, 196
Decimal	38084
CIELab	57.24, -15.56, -33.97
CIELCh	57, 37.364, 245.392
Yxy	25.1653, 0.2021, 0.2474
Android (android.graphics.Color)	4278228164 (0xFF0094C4)
YUV	109.2200, 42.7825, -95.7859
Hunter-Lab	50.1650, -14.6535, -31.0693

Details

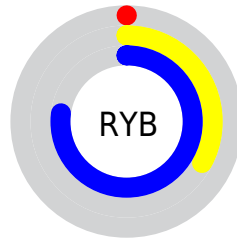
The XYZ color **20.5537, 25.1653, 55.9987** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.8241, 13.8533, 1.4195**, and the grayscale version is **14.5055, 15.2609, 16.6191**.

A 20% lighter version of the original color is **43.8872, 51.9296, 100.6388**, and **9.1572, 10.5024, 27.1357** is the 20% darker color. If you saturate the color by 10%, you get **20.5525, 25.1627, 55.9988**, and if you desaturate by 10%, it is **21.6041, 26.8484, 56.2687**.

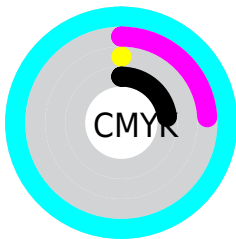
Distribution



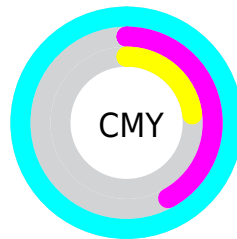
- Red (0%)
- Green (58%)
- Blue (77%)



- Red (0%)
- Yellow (33%)
- Blue (77%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (42%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5537, 25.1653, 55.9987 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 20.5537, 25.1653, 55.9987 by changing the saturation by 10% instead.

■ 20.5537, 25.1653,
55.9987

■ 20.5537, 25.1653,
55.9987

■ 247.6739,
278.6601, 427.0748

■ 12.9088, 16.2003,
39.7979

■ 43.8405, 51.9253,
100.4885

■ 7.4423, 9.6660,
27.0684

■ 60.2130, 70.4890,
129.6145

■ 3.7890, 5.1781,
17.3917

■ 80.2255, 93.0210,
163.8860

■ 1.5835, 2.3521,
10.3493

■ 104.2432,
119.9058, 203.7215

■ 0.3816, 0.8011,
5.5225

■ 132.6315,
151.5277, 249.5396

■ 0.0000, 0.0000,
2.4929

■ 165.7559,

■ 0.0000, 0.0000,

188.2711, 301.7589

0.8364

203.9815,
230.5205, 360.7977

■ 0.0000, 0.0000,
0.0000

■ 20.5537, 25.1653,
55.9987

■ 20.5537, 25.1653,
55.9987

■ 20.5525, 25.1627,
55.9988

■ 21.6041, 26.8484,
56.2687

■ 22.9691, 28.7403,
56.5620

■ 24.7499, 30.8940,
56.8838

■ 26.9985, 33.3368,
57.2368

■ 29.7592, 36.0921,
57.6231

■ 33.0708, 39.1804,
58.0447

■ 36.9681, 42.6201,
58.5032

■ 41.4831, 46.4284,
59.0003

■ 46.6454, 50.6207,
59.5374

Harmonies

Analogous

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



17.6417, 25.1653, 44.0408



20.5537, 25.1653, 55.9987



24.7259, 25.1653, 59.4516

Triad

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



20.5537, 25.1653, 55.9987



33.4100, 25.1653, 25.1779



19.3293, 25.1653, 11.9703

Complementary

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



20.5537, 25.1653, 55.9987



23.8241, 13.8533, 1.4195

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.



23.1296, 25.1653, 9.6179



20.5537, 25.1653, 55.9987



31.5321, 25.1653, 15.5894

Square

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



20.5537, 25.1653, 55.9987



32.5015, 25.1653, 38.8286



27.6326, 25.1653, 10.7019



16.9981, 25.1653, 18.4689

Rectangle

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



20.5537, 25.1653, 55.9987



27.7489, 25.1653, 55.7723



27.6326, 25.1653, 10.7019



20.4586, 25.1653, 10.7773

Sweetspot

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



20.5546, 25.1662, 55.9993



66.5959, 76.8859, 105.9382



20.2292, 39.6760, 9.1527



13.5835, 15.8714, 22.5975



0.0000, 0.0000, 0.0000



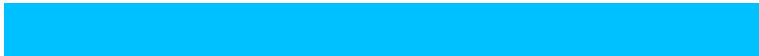
20.3446, 21.4041, 23.3091

Same Dimension

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



20.5546, 25.1662, 55.9993



37.0182, 45.1564, 101.3727



11.2058, 6.4685, 52.8831



10.1528, 10.9969, 12.8723



13.2760, 16.3085, 36.0048



0.6249, 0.8072, 1.5728

Inverse Universe

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



28.1111, 13.8750, 29.2142



50.8143, 25.0897, 52.3474



32.7001, 31.6054, 4.3782



10.3884, 10.2040, 12.1360



18.0971, 8.9286, 18.9552



0.8078, 0.3961, 0.9553

Previews

White Background



This preview shows how the XYZ color 20.5537, 25.1653, 55.9987 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 20.5537, 25.1653, 55.9987 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 20.5537, 25.1653, 55.9987

Background



This preview shows how black text looks on a background with the XYZ color 20.5537, 25.1653, 55.9987.

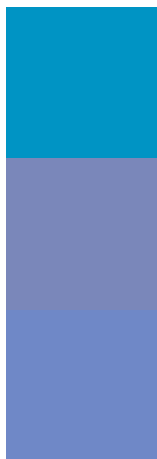


This preview shows how white text looks on a background with the XYZ color 20.5537, 25.1653,

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

20.5537, 25.1653, 55.9987

Protanopia

25.5529, 25.0107, 49.9351

Deuteranopia

25.6685, 25.1113, 57.5269



Tritanopia

17.9291, 25.1368, 39.0289

Trichromacy



Original Color

20.5537, 25.1653, 55.9987

Protanomaly

21.8142, 24.0936, 52.2160

Deuteranomaly

22.1697, 24.1730, 56.9235

Tritanomaly

18.9031, 25.2678, 44.9552

Monochromacy



Original Color

20.5537, 25.1653, 55.9987

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.3449, 17.3542, 27.7929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5537, 25.1653, 55.9987 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, 148, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 196)  
}
```

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, 148, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 196) }
```

Border

The CSS property to change the border of an element to XYZ 20.5537, 25.1653, 55.9987 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, 148, 196) }
```


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

```
.border{ border-color:rgb(0, 148, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5537, 25.1653, 55.9987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 196) }
```

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

```
.background{ background-color: rgb(0, 148,  
196) }
```

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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