

Converting Colors

XYZ(20.9566, 30.8514, 37.6595)

Have a look what the booklet for
XYZ(20.9566, 30.8514, 37.6595)
contains.

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Color

**XYZ(20.9538, 30.8658,
37.6542)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 23A89F |
| RGB | 35, 168, 159 |
| RGB Percent | 14%, 66%, 62% |
| CMY | 0.8627, 0.3412, 0.3765 |
| CMYK | 0.79, 0.00, 0.05, 0.34 |
| HSL | 176°, 66%, 40% |
| HSV | 176°, 79%, 66% |
| XYZ | 20.9538, 30.8658, 37.6542 |
| YIQ | 127.2070, -76.3790, -30.9950 |

Conversions

Conversions Part 2

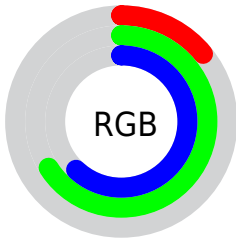
| Format | Color |
|-------------------------------------|--------------------------------|
| RYP | 35, 104, 168 |
| Decimal | 2336927 |
| CIELab | 62.39, -35.86, -5.22 |
| CIElCh | 62, 36.235, 188.284 |
| Yxy | 30.8658, 0.2342, 0.3450 |
| Android (android.graphics.Color) | 4280527007 (0xFF23A89F) |
| YUV | 127.2070, 15.6739, -80.8655 |
| Hunter-Lab | 55.5570, -29.9019, -1.2944 |

Details

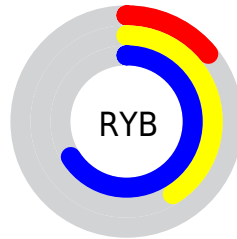
The XYZ color **20.9538, 30.8658, 37.6542** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.2052, 9.7097, 3.3514**, and the grayscale version is **20.2120, 21.2646, 23.1571**.

A 20% lighter version of the original color is **44.6190, 61.1696, 73.0736**, and **8.8375, 13.3442, 16.2973** is the 20% darker color. If you saturate the color by 10%, you get **20.4164, 30.6008, 37.1170**, and if you desaturate by 10%, it is **21.7668, 31.2742, 38.2105**.

Distribution



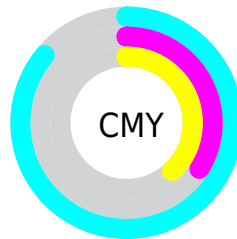
- Red (14%)
- Green (66%)
- Blue (62%)



- Red (14%)
- Yellow (41%)
- Blue (66%)



- Cyan (79%)
- Magenta (0%)
- Yellow (5%)
- Black (34%)





- Cyan (86%)
- Magenta (34%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9538, 30.8658, 37.6542 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 20.9538, 30.8658, 37.6542 by changing the saturation by 10% instead.


 20.9538, 30.8658,
37.6542


 20.9538, 30.8658,
37.6542


249.7692,
305.9196, 351.3879


 13.2025, 20.4967,
25.4147


 44.5025, 61.0287,
72.7753


 7.6461, 12.7566,
16.1644


 61.0306, 81.5913,
96.4940


 3.9192, 7.2612,
9.4850


 81.2150, 106.3205,
124.8762

 1.6565, 3.6260,
4.9577

 105.4211,
135.6007, 158.3403

 0.4288, 1.4666,
2.1642

 134.0142,
169.8164, 197.3050

 0.0000, 0.2651,
0.6536

167.3597,

 0.0000, 0.0000,

209.3518, 242.1888

0.0000

205.8229,
254.5914, 293.4103

■ 20.9538, 30.8658,
37.6542

■ 20.9538, 30.8658,
37.6542

■ 20.4164, 30.6008,
37.1170

■ 21.7668, 31.2742,
38.2105

■ 20.0833, 30.4403,
36.5933

■ 22.8872, 31.8402,
38.7852

■ 20.0575, 30.4280,
36.5497

■ 24.3452, 32.5801,
39.3805

■ 26.1668, 33.5075,
39.9975

■ 28.3755, 34.6342,
40.6375

■ 30.9927, 35.9714,
41.3014

■ 34.0383, 37.5294,
41.9902

■ 37.5309, 39.3177,
42.7047

■ 41.4881, 41.3454,
43.4457

Harmonies

Analogous

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



21.4136, 30.8658, 24.5660



20.9538, 30.8658, 37.6542



22.5350, 30.8658, 53.2888

Triad

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



20.9538, 30.8658, 37.6542



35.5813, 30.8658, 59.6015



32.9694, 30.8658, 14.2319

Complementary

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



20.9538, 30.8658, 37.6542



17.2052, 9.7097, 3.3514

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.



37.3862, 30.8658, 19.4891



20.9538, 30.8658, 37.6542



39.0073, 30.8658, 44.6333

Square

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



20.9538, 30.8658, 37.6542



30.7179, 30.8658, 68.0772



39.7023, 30.8658, 29.8618



27.9982, 30.8658, 13.3289

Rectangle

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



20.9538, 30.8658, 37.6542



24.6500, 30.8658, 62.2419



39.7023, 30.8658, 29.8618



34.5834, 30.8658, 15.4600

Sweetspot

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



20.9547, 30.8670, 37.6549



53.6369, 63.9434, 74.3034



15.4375, 28.7106, 6.3190



11.3481, 13.7620, 16.1058



80.6108, 84.8088, 92.3568



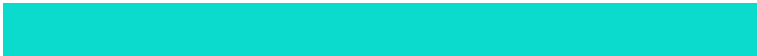
14.7206, 15.4872, 16.8656

Same Dimension

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



20.9547, 30.8670, 37.6549



36.5909, 55.3080, 66.6307



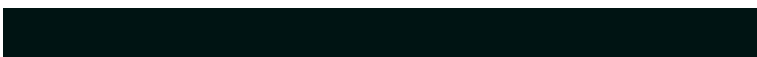
13.6210, 14.9035, 39.2058



7.7253, 8.5232, 9.5396



15.1537, 22.9802, 27.6398



0.3750, 0.5616, 0.7056

Inverse Universe

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



17.2052, 9.7097, 3.3514



29.5992, 15.4157, 2.3389



20.1445, 15.8306, 3.5848



7.5509, 7.5502, 7.9525



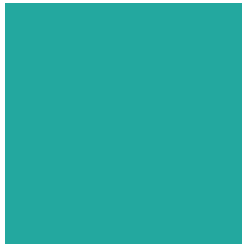
12.2495, 6.3085, 0.8595



0.3043, 0.1560, 0.0537

Previews

White Background



This preview shows how the XYZ color 20.9538, 30.8658, 37.6542 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.9538, 30.8658, 37.6542 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 ✓ Pass

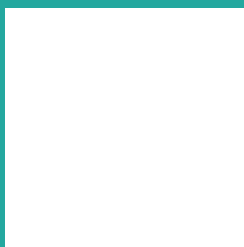
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9538, 30.8658, 37.6542

Background



This preview shows how black text looks on a background with the XYZ color 20.9538, 30.8658, 37.6542.



This preview shows how white text looks on a background with the XYZ color 20.9538, 30.8658,

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

20.9538, 30.8658, 37.6542

Protanopia

29.2296, 30.4053, 32.3452

Deuteranopia

31.0803, 30.5072, 39.3723



Tritanopia

22.9072, 30.8431, 47.3938

Trichromacy



Original Color

20.9538, 30.8658, 37.6542

Protanomaly

23.9864, 29.3589, 34.1084

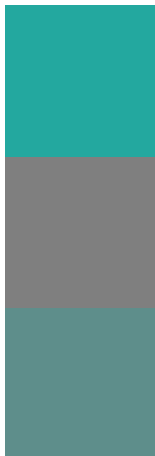
Deuteranomaly

24.8872, 29.2305, 38.5128

Tritanomaly

22.1648, 30.8089, 43.8082

Monochromacy



Original Color

20.9538, 30.8658, 37.6542

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.9493, 23.5898, 27.9806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9538, 30.8658, 37.6542 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(35, 168, 159)` looks like.

```
.text, #text, p{  
    color:rgb(35, 168, 159)  
}
```

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(35, 168, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 168, 159) }
```

Border

The CSS property to change the border of an element to XYZ 20.9538, 30.8658, 37.6542 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(35, 168, 159) }
```


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

```
.border{ border-color:rgb(35, 168, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 168, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 168, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 168, 159);  
box-shadow:4px 4px 4px 4px rgb(35, 168,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9538, 30.8658, 37.6542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 168, 159) }
```

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

```
.background{ background-color: rgb(35, 168,  
159) }
```

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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