

Converting Colors

XYZ(14.5211, 30.5631, 30.1306)

Have a look what the booklet for
XYZ(14.5211, 30.5631, 30.1306)
contains.

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Color

**XYZ(20.6540, 33.7342,
30.2337)**

Conversions

Conversions Part 1

Format	Color
Hex	00B28C
RGB	0, 178, 140
RGB Percent	0%, 70%, 55%
CMY	0.9999, 0.3019, 0.4510
CMYK	1.00, 0.00, 0.21, 0.30
HSL	167°, 100%, 35%
HSV	167°, 100%, 70%
XYZ	20.6540, 33.7342, 30.2337
YIQ	120.4460, -93.8900, -49.5540

Conversions

Conversions Part 2

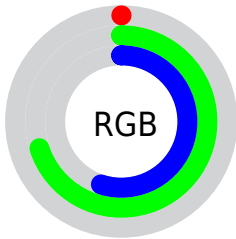
Format	Color
RYB	0, 100, 178
Decimal	45708
CIELab	64.75, -47.46, 8.75
CIELCh	65, 48.262, 169.558
Yxy	33.7342, 0.2441, 0.3986
Android (android.graphics.Color)	4278235788 (0xFF00B28C)
YUV	120.4460, 9.6401, -105.6311
Hunter-Lab	58.0812, -38.1664, 9.7938

Details

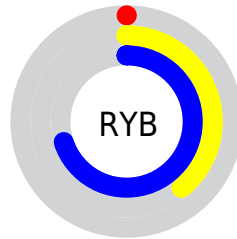
The XYZ color **20.6540, 33.7342, 30.2337** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **18.7111, 9.6058, 2.7035**, and the grayscale version is **17.9895, 18.9263, 20.6108**.

A 20% lighter version of the original color is **44.1653, 65.7446, 61.4012**, and **9.0531, 15.1535, 12.1206** is the 20% darker color. If you saturate the color by 10%, you get **20.6544, 33.7352, 30.2328**, and if you desaturate by 10%, it is **21.1860, 33.9763, 31.7478**.

Distribution



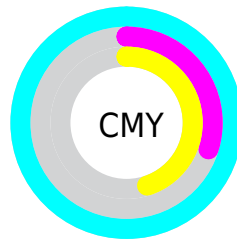
- Red (0%)
- Green (70%)
- Blue (55%)



- Red (0%)
- Yellow (39%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6540, 33.7342, 30.2337 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 20.6540, 33.7342, 30.2337 by changing the saturation by 10% instead.

■ 20.6540, 33.7342,
30.2337

■ 20.6540, 33.7342,
30.2337

■ 248.2006,
318.9452, 317.2334

■ 12.9823, 22.6895,
19.7625

■ 44.0066, 65.5201,
61.0969

■ 7.4933, 14.3644,
12.0401

■ 60.4183, 87.0301,
82.3260

■ 3.8215, 8.3745,
6.6482

■ 80.4740, 112.7973,
107.9782

■ 1.6017, 4.3355,
3.1680

■ 104.5391,
143.2061, 138.4719

■ 0.3935, 1.8630,
1.1810

■ 132.9789,
178.6409, 174.2257

■ 0.0000, 0.5260,
0.0000

■ 166.1589,

■ 0.0000, 0.0000,

219.4861, 215.6582

0.0000

204.4443,
266.1261, 263.1880

■ 20.6540, 33.7342,
30.2337

■ 20.6540, 33.7342,
30.2337

■ 20.6544, 33.7352,
30.2328

■ 21.1860, 33.9763,
31.7478

■ 21.9492, 34.3357,
33.3230

■ 23.0301, 34.8577,
34.9645

■ 24.4693, 35.5633,
36.6749

■ 26.3012, 36.4702,
38.4561

■ 28.5563, 37.5940,
40.3100

■ 31.2620, 38.9489,
42.2385

■ 34.4431, 40.5478,
44.2430

■ 38.1229, 42.4025,
46.3253

Harmonies

Analogous

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



22.9461, 33.7342, 17.1068



20.6540, 33.7342, 30.2337



21.0659, 33.7342, 51.0592

Triad

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



20.6540, 33.7342, 30.2337



36.7387, 33.7342, 85.7620



41.5166, 33.7342, 14.6549

Complementary

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



20.6540, 33.7342, 30.2337



18.7111, 9.6058, 2.7035

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.



46.3450, 33.7342, 25.3702



20.6540, 33.7342, 30.2337



43.3229, 33.7342, 67.4980

Square

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



20.6540, 33.7342, 30.2337



29.7063, 33.7342, 88.5573



47.0499, 33.7342, 44.0978



34.5419, 33.7342, 10.5166

Rectangle

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



20.6540, 33.7342, 30.2337



22.8405, 33.7342, 66.8230



47.0499, 33.7342, 44.0978



43.4848, 33.7342, 17.3795

Sweetspot

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



20.6549, 33.7355, 30.2345



56.4082, 70.4879, 76.4053



16.7421, 32.2652, 5.3460



12.0255, 15.3801, 16.6015



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.6549, 33.7355, 30.2345



37.3665, 61.1397, 54.3616



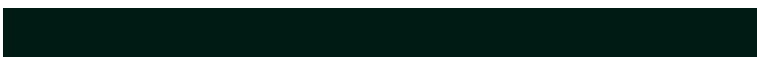
15.7002, 18.5421, 44.8724



8.6634, 9.5999, 10.4871



14.8016, 24.1466, 21.7560



0.4852, 0.7675, 0.7870

Inverse Universe

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



18.7111, 9.6058, 2.7035



33.8609, 17.3906, 4.5385



19.5207, 11.7851, 1.2465



8.5682, 8.5340, 9.2244



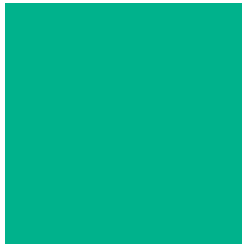
13.4067, 6.8803, 2.0359



0.4432, 0.2250, 0.1764

Previews

White Background



This preview shows how the XYZ color 20.6540, 33.7342, 30.2337 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 20.6540, 33.7342, 30.2337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

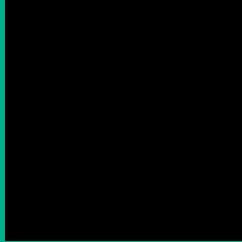
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.6540, 33.7342, 30.2337

Background



This preview shows how black text looks on a background with the XYZ color 20.6540, 33.7342, 30.2337.

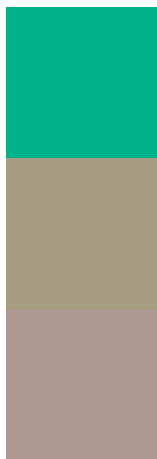


This preview shows how white text looks on a background with the XYZ color 20.6540, 33.7342,

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

20.6540, 33.7342, 30.2337

Protanopia

31.3680, 33.3612, 25.5550

Deuteranopia

33.9341, 33.3225, 31.8375



Tritanopia

25.1910, 33.8624, 51.6628

Trichromacy



Original Color

20.6540, 33.7342, 30.2337



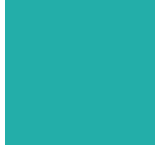
Protanomaly

23.3348, 31.2476, 26.9918



Deuteranomaly

24.3345, 30.8829, 31.0640



Tritanomaly

22.9906, 33.4940, 42.7894

Monochromacy



Original Color

20.6540, 33.7342, 30.2337



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.3361, 22.1186, 23.4870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6540, 33.7342, 30.2337 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, 178, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 140)  
}
```

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, 178, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 140) }
```

Border

The CSS property to change the border of an element to XYZ 20.6540, 33.7342, 30.2337 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, 178, 140) }
```


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

```
.border{ border-color:rgb(0, 178, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6540, 33.7342, 30.2337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 140) }
```

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

```
.background{ background-color: rgb(0, 178,  
140) }
```

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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