

Converting Colors

XYZ(18.2737, 34.2205, 25.6081)

Have a look what the booklet for
XYZ(18.2737, 34.2205, 25.6081)
contains.

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Color

**XYZ(20.7643, 35.3993,
25.8170)**

Conversions

Conversions Part 1

Format	Color
Hex	00B77F
RGB	0, 183, 127
RGB Percent	0%, 72%, 50%
CMY	0.9999, 0.2823, 0.5020
CMYK	1.00, 0.00, 0.31, 0.28
HSL	162°, 100%, 36%
HSV	162°, 100%, 72%
XYZ	20.7643, 35.3993, 25.8170
YIQ	121.8990, -91.0920, -56.2120

Conversions

Conversions Part 2

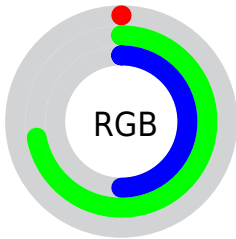
Format	Color
RYB	0, 108, 183
Decimal	46975
CIELab	66.06, -52.56, 17.69
CIELCh	66, 55.461, 161.398
Yxy	35.3993, 0.2533, 0.4318
Android (android.graphics.Color)	4278237055 (0xFF00B77F)
YUV	121.8990, 2.5148, -106.9054
Hunter-Lab	59.4973, -41.8246, 15.9211

Details

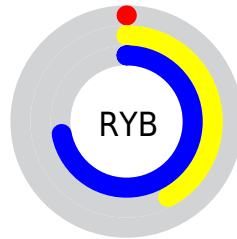
The XYZ color **20.7643, 35.3993, 25.8170** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **20.2437, 10.3538, 4.6757**, and the grayscale version is **18.4815, 19.4440, 21.1745**.

A 20% lighter version of the original color is **44.2222, 68.1023, 53.9943**, and **9.2254, 16.2506, 9.8582** is the 20% darker color. If you saturate the color by 10%, you get **20.7646, 35.4004, 25.8156**, and if you desaturate by 10%, it is **21.3958, 35.6824, 27.8063**.

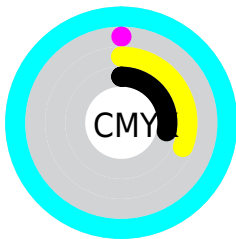
Distribution



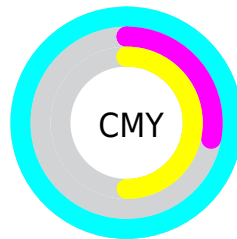
- Red (0%)
- Green (72%)
- Blue (50%)



- Red (0%)
- Yellow (42%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7643, 35.3993, 25.8170 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 20.7643, 35.3993, 25.8170 by changing the saturation by 10% instead.


 20.7643, 35.3993,
25.8170


 20.7643, 35.3993,
25.8170


248.7787,
326.3273, 295.4594


 13.0633, 23.9706,
16.4622

 44.1892, 68.1039,
53.9600

 7.5494, 15.3118,
9.6940


 60.6438, 90.1486,
73.5854


 3.8574, 9.0385,
5.0936


 80.7469, 116.5007,
97.4714

 1.6218, 4.7663,
2.2426

 104.8640,
147.5448, 126.0365

 0.4065, 2.1108,
0.6988

 133.3604,
183.6650, 159.6993

 0.0000, 0.6707,
0.0000

 166.6014,

 0.0000, 0.0000,

225.2460, 198.8784

0.0000

204.9524,
272.6719, 243.9923

■ 20.7643, 35.3993,
25.8170

■ 20.7643, 35.3993,
25.8170

■ 20.7646, 35.4004,
25.8156

■ 21.3958, 35.6824,
27.8063

■ 22.2857, 36.0954,
29.9145

■ 23.5244, 36.6859,
32.1483

■ 25.1558, 37.4762,
34.5113

■ 27.2170, 38.4857,
37.0068

■ 29.7408, 39.7312,
39.6378

■ 32.7566, 41.2277,
42.4073

■ 36.2915, 42.9892,
45.3180

■ 40.3703, 45.0286,
48.3725

Harmonies

Analogous

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



24.2274, 35.3993, 13.5600



20.7643, 35.3993, 25.8170



20.3934, 35.3993, 48.2134

Triad

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



20.7643, 35.3993, 25.8170



36.8717, 35.3993, 102.2406



46.9699, 35.3993, 15.6678

Complementary

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



20.7643, 35.3993, 25.8170



20.2437, 10.3538, 4.6757

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.



51.6683, 35.3993, 30.2621



20.7643, 35.3993, 25.8170



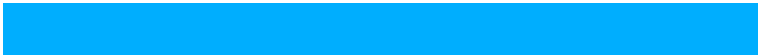
45.2351, 35.3993, 83.5252

Square

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



20.7643, 35.3993, 25.8170



28.8454, 35.3993, 99.4416



50.9861, 35.3993, 54.8870



38.9516, 35.3993, 9.5678

Rectangle

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



20.7643, 35.3993, 25.8170



21.8637, 35.3993, 67.3099



50.9861, 35.3993, 54.8870



49.0446, 35.3993, 19.4233

Sweetspot

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



20.7652, 35.4007, 25.8178



58.3687, 73.6885, 75.6907



18.6771, 34.7668, 5.7269



12.3704, 16.0165, 16.2518



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.7652, 35.4007, 25.8178



37.0802, 63.3563, 45.6675



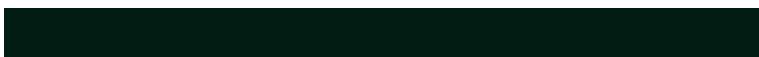
19.3676, 25.0587, 48.6174



9.1465, 10.1626, 10.9286



14.5169, 24.7077, 18.1758



0.5380, 0.8815, 0.7789

Inverse Universe

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



20.2437, 10.3538, 4.6757



36.1639, 18.5058, 7.8964



20.0890, 11.1872, 1.1011



9.1148, 9.0563, 9.9517



14.1488, 7.2333, 3.4043



0.5273, 0.2664, 0.2701

Previews

White Background



This preview shows how the XYZ color 20.7643, 35.3993, 25.8170 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 20.7643, 35.3993, 25.8170 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 20.7643, 35.3993, 25.8170

Background



This preview shows how black text looks on a background with the XYZ color 20.7643, 35.3993, 25.8170.



This preview shows how white text looks on a background with the XYZ color 20.7643, 35.3993,

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

20.7643, 35.3993, 25.8170

Protanopia

32.3451, 34.7152, 21.5189

Deuteranopia

35.4615, 34.6940, 27.3819



Tritanopia

26.5019, 35.3582, 53.5721

Trichromacy



Original Color

20.7643, 35.3993, 25.8170



Protanomaly

23.6995, 32.6125, 22.8151



Deuteranomaly

24.7083, 31.9715, 26.3416



Tritanomaly

23.6400, 35.0253, 41.5910

Monochromacy



Original Color

20.7643, 35.3993, 25.8170



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.7532, 23.0215, 22.6294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7643, 35.3993, 25.8170 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, 183, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 127)  
}
```

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, 183, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 127) }
```

Border

The CSS property to change the border of an element to XYZ 20.7643, 35.3993, 25.8170 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, 183, 127) }
```


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

```
.border{ border-color:rgb(0, 183, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7643, 35.3993, 25.8170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 127) }
```

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

```
.background{ background-color: rgb(0, 183,  
127) }
```

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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