

Converting Colors

XYZ(16.4661, 32.9924, 25.6806)

Have a look what the booklet for
XYZ(16.4661, 32.9924, 25.6806)
contains.

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Color

**XYZ(20.5587, 34.9882,
25.7485)**

Conversions

Conversions Part 1

Format	Color
Hex	00B67F
RGB	0, 182, 127
RGB Percent	0%, 71%, 50%
CMY	0.9999, 0.2863, 0.5020
CMYK	1.00, 0.00, 0.30, 0.29
HSL	162°, 100%, 36%
HSV	162°, 100%, 71%
XYZ	20.5587, 34.9882, 25.7485
YIQ	121.3120, -90.8170, -55.6890

Conversions

Conversions Part 2

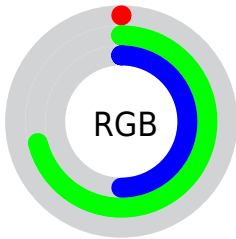
Format	Color
RYB	0, 107, 182
Decimal	46719
CIELab	65.74, -52.19, 17.25
CIELCh	66, 54.964, 161.707
Yxy	34.9882, 0.2529, 0.4304
Android (android.graphics.Color)	4278236799 (0xFF00B67F)
YUV	121.3120, 2.8042, -106.3906
Hunter-Lab	59.1508, -41.4738, 15.5965

Details

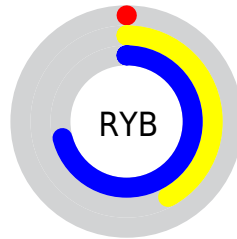
The XYZ color **20.5587, 34.9882, 25.7485** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.9823, 10.2218, 4.5363**, and the grayscale version is **18.2891, 19.2416, 20.9541**.

A 20% lighter version of the original color is **43.8240, 67.4612, 53.8916**, and **9.0943, 15.9884, 9.8145** is the 20% darker color. If you saturate the color by 10%, you get **20.5591, 34.9894, 25.7477**, and if you desaturate by 10%, it is **21.1814, 35.2675, 27.7014**.

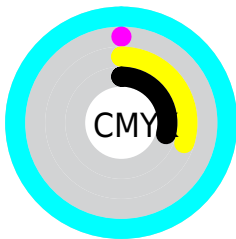
Distribution



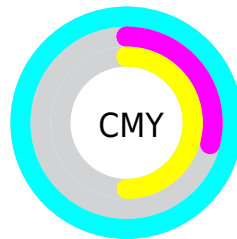
- Red (0%)
- Green (71%)
- Blue (50%)



- Red (0%)
- Yellow (42%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (29%)




- Cyan (100%)
- Magenta (29%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5587, 34.9882, 25.7485 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 20.5587, 34.9882, 25.7485 by changing the saturation by 10% instead.


 20.5587, 34.9882,
25.7485


 20.5587, 34.9882,
25.7485


247.7002,
324.5162, 295.1114


 12.9124, 23.6538,
16.4115


 43.8488, 67.4675,
53.8480


 7.4449, 15.0770,
9.6583


 60.2233, 89.3812,
73.4476


 3.7906, 8.8734,
5.0704


 80.2379, 115.5900,
97.3052

 1.5844, 4.6587,
2.2292

 104.2580,
146.4785, 125.8393

 0.3822, 2.0484,
0.6911

 132.6489,
182.4309, 159.4684

 0.0000, 0.6354,
0.0000

 165.7760,

 0.0000, 0.0000,

223.8318, 198.6111

0.0000

204.0046,
271.0654, 243.6859

■ 20.5587, 34.9882,
25.7485

■ 20.5587, 34.9882,
25.7485

■ 20.5591, 34.9894,
25.7477

■ 21.1814, 35.2675,
27.7014

■ 22.0584, 35.6748,
29.7692

■ 23.2793, 36.2570,
31.9584

■ 24.8875, 37.0365,
34.2725

■ 26.9195, 38.0321,
36.7148

■ 29.4076, 39.2604,
39.2882

■ 32.3809, 40.7363,
41.9954

■ 35.8660, 42.4736,
44.8392

■ 39.8876, 44.4850,
47.8220

Harmonies

Analogous

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



23.9379, 34.9882, 13.5682



20.5587, 34.9882, 25.7485



20.2247, 34.9882, 47.8753

Triad

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



20.5587, 34.9882, 25.7485



36.5143, 34.9882, 100.5326



46.2802, 34.9882, 15.4699

Complementary

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



20.5587, 34.9882, 25.7485



19.9823, 10.2218, 4.5363

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.



50.9418, 34.9882, 29.7486



20.5587, 34.9882, 25.7485



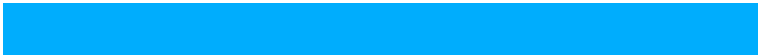
44.7222, 34.9882, 82.0020

Square

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



20.5587, 34.9882, 25.7485



28.6055, 34.9882, 98.0230



50.3294, 34.9882, 53.8691



38.3834, 34.9882, 9.5123

Rectangle

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



20.5587, 34.9882, 25.7485



21.6940, 34.9882, 66.6532



50.3294, 34.9882, 53.8691



48.3311, 34.9882, 19.1432

Sweetspot

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



20.5596, 34.9896, 25.7493



58.4038, 73.7025, 75.8753



18.4530, 34.3461, 5.6573



12.3790, 16.0199, 16.2973



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.



20.5596, 34.9896, 25.7493



37.1627, 63.3893, 46.1022



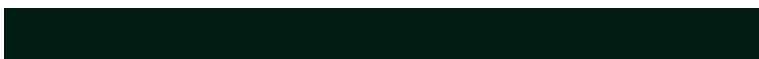
19.1343, 24.7583, 48.0279



9.1479, 10.1631, 10.9364



14.5486, 24.7204, 18.3429



0.5389, 0.8819, 0.7839

Inverse Universe

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



19.9823, 10.2218, 4.5363



36.1342, 18.4940, 7.7403



19.8467, 11.0544, 1.0881



9.1133, 9.0557, 9.9443



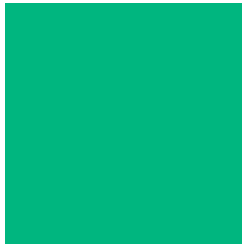
14.1367, 7.2284, 3.3406



0.5267, 0.2662, 0.2671

Previews

White Background



This preview shows how the XYZ color 20.5587, 34.9882, 25.7485 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 20.5587, 34.9882, 25.7485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

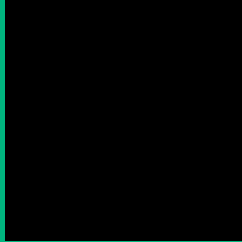
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.5587, 34.9882, 25.7485

Background



This preview shows how black text looks on a background with the XYZ color 20.5587, 34.9882, 25.7485.



This preview shows how white text looks on a background with the XYZ color 20.5587, 34.9882,

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

20.5587, 34.9882, 25.7485

Protanopia

31.9568, 34.2607, 21.4517

Deuteranopia

35.2227, 34.5710, 27.3707



Tritanopia

26.1376, 34.8950, 52.9348

Trichromacy



Original Color

20.5587, 34.9882, 25.7485



Protanomaly

23.3932, 32.1816, 22.7480



Deuteranomaly

24.5747, 31.9026, 26.3353



Tritanomaly

23.4418, 34.6288, 41.5249

Monochromacy



Original Color

20.5587, 34.9882, 25.7485



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.4582, 22.6528, 22.2439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5587, 34.9882, 25.7485 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, 182, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 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, 182, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 127) }
```

Border

The CSS property to change the border of an element to XYZ 20.5587, 34.9882, 25.7485 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, 182, 127) }
```


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

```
.border{ border-color:rgb(0, 182, 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, 182, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5587, 34.9882, 25.7485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 127) }
```

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

```
.background{ background-color: rgb(0, 182,  
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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