

Converting Colors

XYZ(20.5660, 33.7415, 27.8983)

Have a look what the booklet for
XYZ(20.5660, 33.7415, 27.8983)
contains.

XYZ(20.5768, 33.7442, 27.9830)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.5768, 33.7442,
27.9830)**

Conversions

Conversions Part 1

Format	Color
Hex	17B286
RGB	23, 178, 134
RGB Percent	9%, 70%, 53%
CMY	0.9098, 0.3019, 0.4745
CMYK	0.87, 0.00, 0.25, 0.30
HSL	163°, 77%, 39%
HSV	163°, 87%, 70%
XYZ	20.5768, 33.7442, 27.9830
YIQ	126.6390, -78.2560, -46.5440

Conversions

Conversions Part 2

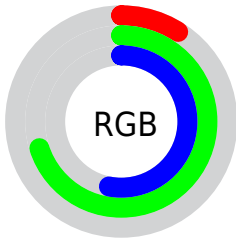
Format	Color
RYB	23, 113, 178
Decimal	1553030
CIELab	64.76, -47.87, 12.08
CIELCh	65, 49.373, 165.835
Yxy	33.7442, 0.2500, 0.4100
Android (android.graphics.Color)	4279743110 (0xFF17B286)
YUV	126.6390, 3.6290, -90.8914
Hunter-Lab	58.0898, -38.4281, 12.1017

Details

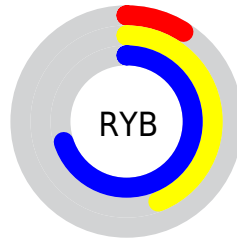
The XYZ color **20.5768, 33.7442, 27.9830** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.6808, 10.4838, 6.2980**, and the grayscale version is **20.0575, 21.1021, 22.9802**.

A 20% lighter version of the original color is **43.9335, 65.7138, 57.3822**, and **8.8079, 15.0554, 10.8293** is the 20% darker color. If you saturate the color by 10%, you get **19.9452, 33.4592, 26.1579**, and if you desaturate by 10%, it is **21.4920, 34.1752, 29.9108**.

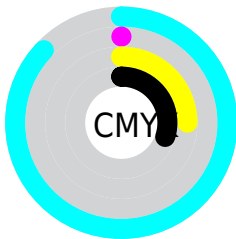
Distribution



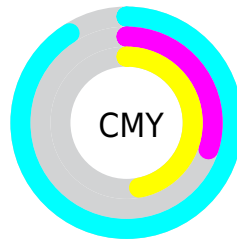
- Red (9%)
- Green (70%)
- Blue (53%)



- Red (9%)
- Yellow (44%)
- Blue (70%)



- Cyan (87%)
- Magenta (0%)
- Yellow (25%)
- Black (30%)



- Cyan (91%)
- Magenta (30%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5768, 33.7442, 27.9830 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 20.5768, 33.7442, 27.9830 by changing the saturation by 10% instead.

■ 20.5768, 33.7442,
27.9830

■ 20.5768, 33.7442,
27.9830

■ 247.7953,
318.9899, 306.2951

■ 12.9257, 22.6972,
18.0739

■ 43.8787, 65.5357,
57.4801

■ 7.4541, 14.3701,
10.8331

■ 60.2603, 87.0489,
77.9051

■ 3.7965, 8.3785,
5.8419

■ 80.2827, 112.8197,
102.6726

■ 1.5877, 4.3381,
2.6820

■ 104.3114,
143.2323, 132.2010

■ 0.3843, 1.8644,
0.9343

■ 132.7116,
178.6713, 166.9090

■ 0.0000, 0.5269,
0.0000

■ 165.8488,

■ 0.0000, 0.0000,

219.5209, 207.2149

0.0000

204.0882,
266.1657, 253.5374

■ 20.5768, 33.7442,
27.9830

■ 20.5768, 33.7442,
27.9830

■ 19.9452, 33.4592,
26.1579

■ 21.4920, 34.1752,
29.9108

■ 19.7825, 33.3866,
25.6412

■ 22.7438, 34.7768,
31.9428

■ 24.3718, 35.5704,
34.0827

■ 26.4092, 36.5730,
36.3331

■ 28.8856, 37.7999,
38.6967

■ 31.8277, 39.2648,
41.1757

■ 35.2601, 40.9803,
43.7725

■ 39.2054, 42.9582,
46.4890

■ 43.6851, 45.2094,
49.3274

Harmonies

Analogous

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



23.2454, 33.7442, 15.6838



20.5768, 33.7442, 27.9830



20.6535, 33.7442, 48.4720

Triad

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



20.5768, 33.7442, 27.9830



35.9428, 33.7442, 88.6294



42.5519, 33.7442, 15.2315

Complementary

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



20.5768, 33.7442, 27.9830



19.6808, 10.4838, 6.2980

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.



47.0754, 33.7442, 27.0753



20.5768, 33.7442, 27.9830



42.8924, 33.7442, 71.2549

Square

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



20.5768, 33.7442, 27.9830



28.8477, 33.7442, 89.1608



47.2085, 33.7442, 47.1603



35.5298, 33.7442, 10.3812

Rectangle

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



20.5768, 33.7442, 27.9830



22.2323, 33.7442, 64.7032



47.2085, 33.7442, 47.1603



44.4578, 33.7442, 18.2809

Sweetspot

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



20.5777, 33.7455, 27.9838



58.0776, 71.3823, 74.9546



18.5661, 33.1877, 6.2384



12.4369, 15.6002, 16.2592



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.



20.5777, 33.7455, 27.9838



35.7695, 60.5009, 45.9524



18.8241, 24.2654, 45.8126



8.6377, 9.5896, 10.3519



14.1821, 23.8988, 18.4934



0.4697, 0.7614, 0.7057

Inverse Universe

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



19.6808, 10.4838, 6.2980



34.2747, 17.5561, 6.7174



19.8350, 12.1662, 2.1139



8.5923, 8.5436, 9.3513



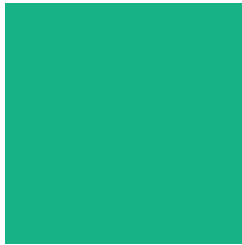
13.5809, 6.9499, 2.9533



0.4530, 0.2289, 0.2282

Previews

White Background



This preview shows how the XYZ color 20.5768, 33.7442, 27.9830 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 20.5768, 33.7442, 27.9830 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

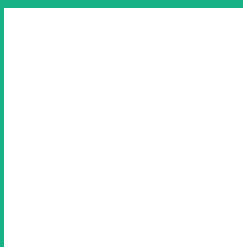
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5768, 33.7442, 27.9830

Background



This preview shows how black text looks on a background with the XYZ color 20.5768, 33.7442, 27.9830.

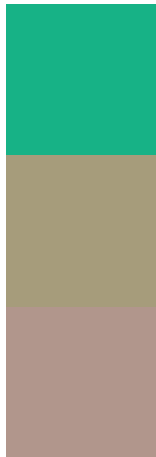


This preview shows how white text looks on a background with the XYZ color 20.5768, 33.7442,

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

20.5768, 33.7442, 27.9830

Protanopia

31.1895, 33.3140, 23.5253

Deuteranopia

33.7714, 33.0533, 29.4109



Tritanopia

25.1833, 33.5893, 51.0550

Trichromacy



Original Color

20.5768, 33.7442, 27.9830



Protanomaly

24.0457, 31.6606, 24.9224



Deuteranomaly

25.0434, 31.0415, 28.7164



Tritanomaly

23.1913, 33.6296, 41.3453

Monochromacy



Original Color

20.5768, 33.7442, 27.9830



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

18.4280, 24.2933, 24.8369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5768, 33.7442, 27.9830 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(23, 178, 134)` looks like.

```
.text, #text, p{  
    color:rgb(23, 178, 134)  
}
```

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(23, 178, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 178, 134) }
```

Border

The CSS property to change the border of an element to XYZ 20.5768, 33.7442, 27.9830 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(23, 178, 134) }
```


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

```
.border{ border-color:rgb(23, 178, 134) }
```

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

Here you see how a box with a 4 pixel rgb(23, 178, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 178, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 178, 134);  
box-shadow:4px 4px 4px 4px rgb(23, 178,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5768, 33.7442, 27.9830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 178, 134) }
```

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

```
.background{ background-color: rgb(23, 178,  
134) }
```

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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