

Converting Colors

XYZ(20.5594, 33.5654, 29.7479)

Have a look what the booklet for
XYZ(20.5594, 33.5654, 29.7479)
contains.

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Color

**XYZ(20.6557, 33.7436,
29.8506)**

Conversions

Conversions Part 1

Format	Color
Hex	06B28B
RGB	6, 178, 139
RGB Percent	2%, 70%, 55%
CMY	0.9764, 0.3019, 0.4549
CMYK	0.97, 0.00, 0.22, 0.30
HSL	166°, 93%, 36%
HSV	166°, 97%, 70%
XYZ	20.6557, 33.7436, 29.8506
YIQ	122.1260, -89.9930, -48.5930

Conversions

Conversions Part 2

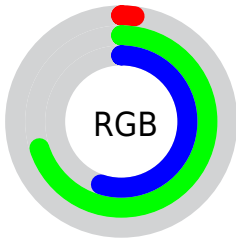
Format	Color
RYB	6, 103, 178
Decimal	438923
CIELab	64.76, -47.49, 9.31
CIELCh	65, 48.392, 168.904
Yxy	33.7436, 0.2452, 0.4005
Android (android.graphics.Color)	4278629003 (0xFF06B28B)
YUV	122.1260, 8.3189, -101.8425
Hunter-Lab	58.0892, -38.1841, 10.1948

Details

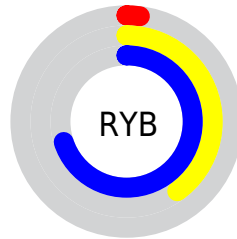
The XYZ color **20.6557, 33.7436, 29.8506** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **18.9001, 9.7856, 3.3773**, and the grayscale version is **18.5368, 19.5022, 21.2379**.

A 20% lighter version of the original color is **44.0466, 65.7092, 60.2308**, and **9.0108, 15.1366, 11.8979** is the 20% darker color. If you saturate the color by 10%, you get **20.4821, 33.6664, 29.3258**, and if you desaturate by 10%, it is **21.2542, 34.0183, 31.4477**.

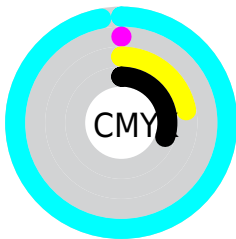
Distribution



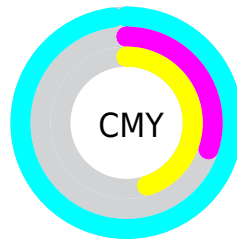
- Red (2%)
- Green (70%)
- Blue (55%)



- Red (2%)
- Yellow (40%)
- Blue (70%)



- Cyan (97%)
- Magenta (0%)
- Yellow (22%)
- Black (30%)



- Cyan (98%)
- Magenta (30%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6557, 33.7436, 29.8506 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 20.6557, 33.7436, 29.8506 by changing the saturation by 10% instead.


 20.6557, 33.7436,
29.8506


 20.6557, 33.7436,
29.8506


248.2095,
318.9873, 315.3930


 12.9836, 22.6967,
19.4741


 44.0094, 65.5347,
60.4840


 7.4942, 14.3697,
11.8331


 60.4217, 87.0478,
81.5781


 3.8221, 8.3783,
6.5090


 80.4782, 112.8183,
107.0817

 1.6020, 4.3379,
3.0832

 104.5441,
143.2307, 137.4136

 0.3937, 1.8643,
1.1373

 132.9848,
178.6694, 172.9920

 0.0000, 0.5268,
0.0000

 166.1657,

 0.0000, 0.0000,

219.5188, 214.2358

0.0000

204.4522,
266.1633, 261.5632

■ 20.6557, 33.7436,
29.8506

■ 20.6557, 33.7436,
29.8506

■ 20.4821, 33.6664,
29.3258

■ 21.2542, 34.0183,
31.4477

■ 22.1327, 34.4351,
33.1147

■ 23.3446, 35.0226,
34.8553

■ 24.9282, 35.8004,
36.6719

■ 26.9165, 36.7856,
38.5667

■ 29.3387, 37.9931,
40.5415

■ 32.2214, 39.4366,
42.5981

■ 35.5889, 41.1287,
44.7384

■ 39.4638, 43.0811,
46.9637

Harmonies

Analogous

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



23.0113, 33.7436, 16.8750



20.6557, 33.7436, 29.8506



21.0092, 33.7436, 50.6016

Triad

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



20.6557, 33.7436, 29.8506



36.6039, 33.7436, 86.2043



41.6925, 33.7436, 14.7733

Complementary

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



20.6557, 33.7436, 29.8506



18.9001, 9.7856, 3.3773

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.



46.4639, 33.7436, 25.6753



20.6557, 33.7436, 29.8506



43.2453, 33.7436, 68.1120

Square

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



20.6557, 33.7436, 29.8506



29.5662, 33.7436, 88.6100



47.0700, 33.7436, 44.6178



34.7161, 33.7436, 10.5128

Rectangle

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



20.6557, 33.7436, 29.8506



22.7487, 33.7436, 66.4314



47.0700, 33.7436, 44.6178



43.6481, 33.7436, 17.5524

Sweetspot

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



20.6566, 33.7449, 29.8514



56.8339, 70.7133, 76.1557



17.0874, 32.4394, 5.5337



12.1025, 15.4217, 16.5233



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.



20.6566, 33.7449, 29.8514



37.0507, 61.0134, 52.6987



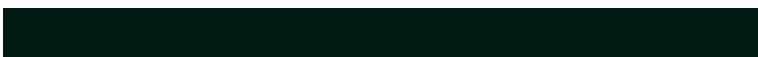
16.3818, 19.7940, 45.0782



8.6585, 9.5979, 10.4616



14.6793, 24.0977, 21.1120



0.4822, 0.7663, 0.7712

Inverse Universe

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



18.9001, 9.7856, 3.3773



33.9289, 17.4178, 4.8965



19.6164, 11.9239, 1.4405



8.5727, 8.5358, 9.2482



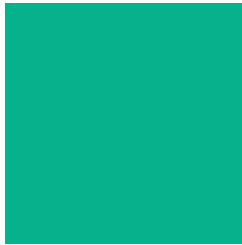
13.4358, 6.8919, 2.1887



0.4450, 0.2258, 0.1862

Previews

White Background



This preview shows how the XYZ color 20.6557, 33.7436, 29.8506 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 20.6557, 33.7436, 29.8506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

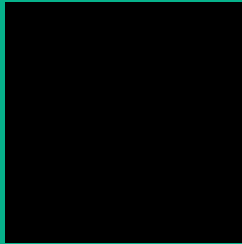
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.6557, 33.7436, 29.8506

Background



This preview shows how black text looks on a background with the XYZ color 20.6557, 33.7436, 29.8506.

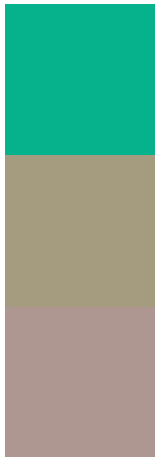


This preview shows how white text looks on a background with the XYZ color 20.6557, 33.7436,

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

20.6557, 33.7436, 29.8506

Protanopia

31.3018, 33.3348, 25.2065

Deuteranopia

33.8566, 33.2915, 31.4295



Tritanopia

25.1910, 33.8624, 51.6628

Trichromacy



Original Color

20.6557, 33.7436, 29.8506



Protanomaly

23.5037, 31.3427, 26.6408



Deuteranomaly

24.6422, 31.0503, 30.6811



Tritanomaly

23.0604, 33.5300, 42.7926

Monochromacy



Original Color

20.6557, 33.7436, 29.8506



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.8775, 22.6100, 23.8967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6557, 33.7436, 29.8506 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(6, 178, 139)` looks like.

```
.text, #text, p{  
    color:rgb(6, 178, 139)  
}
```

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(6, 178, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 178, 139) }
```

Border

The CSS property to change the border of an element to XYZ 20.6557, 33.7436, 29.8506 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(6, 178, 139) }
```


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

```
.border{ border-color:rgb(6, 178, 139) }
```

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

Here you see how a box with a 4 pixel rgb(6, 178, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 178, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 178, 139);  
box-shadow:4px 4px 4px 4px rgb(6, 178,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6557, 33.7436, 29.8506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 178, 139) }
```

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

```
.background{ background-color: rgb(6, 178,  
139) }
```

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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