

Converting Colors

XYZ(20.6105, 31.2815, 36.0087)

Have a look what the booklet for
XYZ(20.6105, 31.2815, 36.0087)
contains.

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Color

**XYZ(20.6004, 31.2754,
35.9614)**

Conversions

Conversions Part 1

Format	Color
Hex	15AA9B
RGB	21, 170, 155
RGB Percent	8%, 67%, 61%
CMY	0.9176, 0.3333, 0.3922
CMYK	0.88, 0.00, 0.09, 0.33
HSL	174°, 78%, 37%
HSV	174°, 88%, 67%
XYZ	20.6004, 31.2754, 35.9614
YIQ	123.7390, -83.9890, -36.2530

Conversions

Conversions Part 2

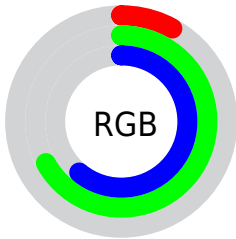
Format	Color
RYB	21, 99, 170
Decimal	1419931
CIELab	62.74, -39.05, -2.49
CIELCh	63, 39.132, 183.647
Yxy	31.2754, 0.2345, 0.3561
Android (android.graphics.Color)	4279610011 (0xFF15AA9B)
YUV	123.7390, 15.4117, -90.1021
Hunter-Lab	55.9244, -32.1152, 1.0215

Details

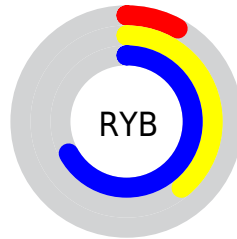
The XYZ color **20.6004, 31.2754, 35.9614** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.1653, 9.2107, 2.5436**, and the grayscale version is **19.0437, 20.0355, 21.8186**.

A 20% lighter version of the original color is **43.8506, 61.6488, 69.9098**, and **8.8600, 13.7221, 15.2784** is the 20% darker color. If you saturate the color by 10%, you get **20.1992, 31.0858, 35.1981**, and if you desaturate by 10%, it is **21.2365, 31.5873, 36.7477**.

Distribution



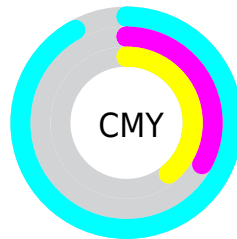
- Red (8%)
- Green (67%)
- Blue (61%)



- Red (8%)
- Yellow (39%)
- Blue (67%)



- Cyan (88%)
- Magenta (0%)
- Yellow (9%)
- Black (33%)



- Cyan (92%)
- Magenta (33%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6004, 31.2754, 35.9614 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 20.6004, 31.2754, 35.9614 by changing the saturation by 10% instead.

■ 20.6004, 31.2754,
35.9614

■ 20.6004, 31.2754,
35.9614

■ 247.9193,
307.8051, 343.8241

■ 12.9430, 20.8086,
24.1149

■ 43.9178, 61.6734,
70.1409

■ 7.4660, 12.9842,
15.2059

■ 60.3086, 82.3734,
93.3109

■ 3.8041, 7.4177,
8.8158

■ 80.3412, 107.2534,
121.0926

■ 1.5919, 3.7247,
4.5261

■ 104.3810,
136.6976, 153.9044

■ 0.3871, 1.5208,
1.9182

■ 132.7934,
171.0905, 192.1650

■ 0.0000, 0.3033,
0.5042

■ 165.9436,

■ 0.0000, 0.0000,

210.8164, 236.2927

0.0000

204.1971,
256.2598, 286.7063

■ 20.6004, 31.2754,
35.9614

■ 20.6004, 31.2754,
35.9614

■ 20.1992, 31.0858,
35.1981

■ 21.2365, 31.5873,
36.7477

■ 20.1155, 31.0465,
35.0197

■ 22.1599, 32.0464,
37.5574

■ 23.4061, 32.6716,
38.3930

■ 25.0048, 33.4783,
39.2558

■ 26.9823, 34.4801,
40.1472

■ 29.3624, 35.6892,
41.0682

■ 32.1670, 37.1168,
42.0201

■ 35.4163, 38.7735,
43.0036

■ 39.1292, 40.6689,
44.0199

Harmonies

Analogous

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



21.4318, 31.2754, 22.5832



20.6004, 31.2754, 35.9614



21.9620, 31.2754, 53.1144

Triad

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



20.6004, 31.2754, 35.9614



35.7952, 31.2754, 64.9203



34.5281, 31.2754, 13.8952

Complementary

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



20.6004, 31.2754, 35.9614



17.1653, 9.2107, 2.5436

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.



39.1337, 31.2754, 20.2046



20.6004, 31.2754, 35.9614



39.9247, 31.2754, 48.8691

Square

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



20.6004, 31.2754, 35.9614



30.3852, 31.2754, 72.7057



41.2137, 31.2754, 32.2145



29.0770, 31.2754, 12.3090

Rectangle

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



20.6004, 31.2754, 35.9614



24.0386, 31.2754, 63.7018



41.2137, 31.2754, 32.2145



36.2472, 31.2754, 15.4168

Sweetspot

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



20.6013, 31.2766, 35.9621



53.8263, 65.0335, 74.7101



15.3248, 29.2243, 5.5434



11.6547, 14.3254, 16.5337



82.5889, 86.8899, 94.6231



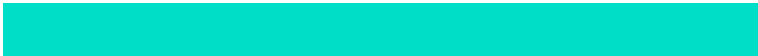
15.4596, 16.2647, 17.7123

Same Dimension

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



20.6013, 31.2766, 35.9621



36.4499, 56.3103, 63.2931



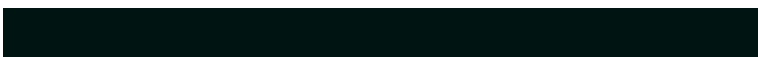
13.4585, 14.8480, 40.1880



7.7145, 8.5188, 9.4827



14.8084, 22.8421, 25.8218



0.3693, 0.5594, 0.6757

Inverse Universe

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



17.1653, 9.2107, 2.5436



30.2264, 15.5652, 2.1875



19.4471, 14.0675, 2.4006



7.5607, 7.5541, 8.0037



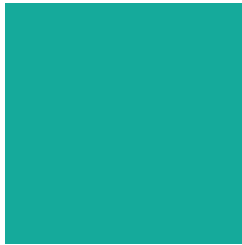
12.2801, 6.3208, 1.0207



0.3080, 0.1575, 0.0731

Previews

White Background



This preview shows how the XYZ color 20.6004, 31.2754, 35.9614 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 20.6004, 31.2754, 35.9614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

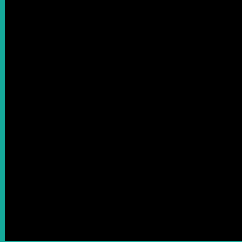
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.6004, 31.2754, 35.9614

Background



This preview shows how black text looks on a background with the XYZ color 20.6004, 31.2754, 35.9614.

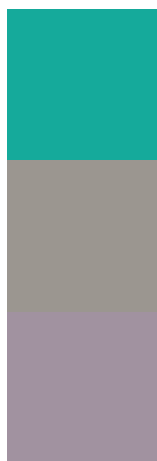


This preview shows how white text looks on a background with the XYZ color 20.6004, 31.2754,

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

20.6004, 31.2754, 35.9614

Protanopia

29.4580, 30.7949, 30.7770

Deuteranopia

31.3220, 30.6729, 37.5273



Tritanopia

23.0012, 31.1486, 47.9800

Trichromacy



Original Color

20.6004, 31.2754, 35.9614



Protanomaly

23.3461, 29.3162, 32.4451



Deuteranomaly

24.3233, 29.2263, 36.7070



Tritanomaly

21.9324, 30.9710, 43.3501

Monochromacy



Original Color

20.6004, 31.2754, 35.9614



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.8285, 22.8253, 26.3877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6004, 31.2754, 35.9614 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(21, 170, 155)` looks like.

```
.text, #text, p{  
    color:rgb(21, 170, 155)  
}
```

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(21, 170, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 170, 155) }
```

Border

The CSS property to change the border of an element to XYZ 20.6004, 31.2754, 35.9614 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(21, 170, 155) }
```


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

```
.border{ border-color:rgb(21, 170, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 170, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 170, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 170, 155);  
box-shadow:4px 4px 4px 4px rgb(21, 170,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6004, 31.2754, 35.9614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 170, 155) }
```

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

```
.background{ background-color: rgb(21, 170,  
155) }
```

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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