

Converting Colors

XYZ(20.2487, 30.5505, 35.7398)

Have a look what the booklet for
XYZ(20.2487, 30.5505, 35.7398)
contains.

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Color

**XYZ(20.2724, 30.5540,
35.8394)**

Conversions

Conversions Part 1

Format	Color
Hex	17A89B
RGB	23, 168, 155
RGB Percent	9%, 66%, 61%
CMY	0.9097, 0.3412, 0.3922
CMYK	0.86, 0.00, 0.08, 0.34
HSL	175°, 76%, 37%
HSV	175°, 86%, 66%
XYZ	20.2724, 30.5540, 35.8394
YIQ	123.1630, -82.2470, -34.7830

Conversions

Conversions Part 2

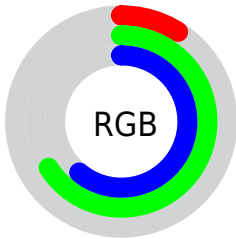
Format	Color
R_{YB}	23, 99, 168
Decimal	1550491
CIE _{Lab}	62.13, -38.03, -3.38
CIE _{LCh}	62, 38.175, 185.087
Yxy	30.5540, 0.2339, 0.3525
Android (android.graphics.Color)	4279740571 (0xFF17A89B)
YUV	123.1630, 15.6956, -87.8430
Hunter-Lab	55.2757, -31.2674, 0.2508

Details

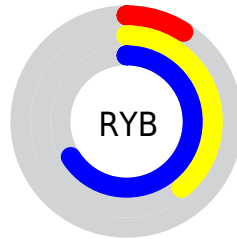
The XYZ color **20.2724, 30.5540, 35.8394** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.7744, 9.0659, 2.5361**, and the grayscale version is **18.8515, 19.8333, 21.5985**.

A 20% lighter version of the original color is **43.4198, 60.6241, 69.7348**, and **8.6294, 13.2609, 15.2015** is the 20% darker color. If you saturate the color by 10%, you get **19.8716, 30.3626, 35.1649**, and if you desaturate by 10%, it is **20.9148, 30.8712, 36.5348**.

Distribution



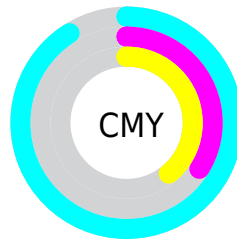
- Red (9%)
- Green (66%)
- Blue (61%)



- Red (9%)
- Yellow (39%)
- Blue (66%)



- Cyan (86%)
- Magenta (0%)
- Yellow (8%)
- Black (34%)



- Cyan (91%)
- Magenta (34%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2724, 30.5540, 35.8394 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 20.2724, 30.5540, 35.8394 by changing the saturation by 10% instead.

■ 20.2724, 30.5540,
35.8394

■ 20.2724, 30.5540,
35.8394

■ 246.1915,
304.4783, 343.2742

■ 12.7026, 20.2595,
24.0215

■ 43.3739, 60.5372,
69.9504

■ 7.2997, 12.5838,
15.1372

■ 59.6363, 80.9947,
93.0805

■ 3.6982, 7.1426,
8.7680

■ 79.5270, 105.6086,
120.8184

■ 1.5329, 3.5514,
4.4955

■ 103.4112,
134.7633, 153.5827

■ 0.3480, 1.4259,
1.9009

■ 131.6545,
168.8432, 191.7919

■ 0.0000, 0.2357,
0.4933

■ 164.6220,

■ 0.0000, 0.0000,

208.2328, 235.8645

0.0000

202.6793,
253.3163, 286.2191

■ 20.2724, 30.5540,
35.8394

■ 20.2724, 30.5540,
35.8394

■ 19.8716, 30.3626,
35.1649

■ 20.9148, 30.8712,
36.5348

■ 19.7477, 30.3041,
34.9184

■ 21.8414, 31.3339,
37.2511

■ 23.0856, 31.9603,
37.9905

■ 24.6760, 32.7649,
38.7545

■ 26.6375, 33.7607,
39.5442

■ 28.9932, 34.9594,
40.3608

■ 31.7639, 36.3719,
41.2052

■ 34.9691, 38.0083,
42.0783

■ 38.6271, 39.8779,
42.9812

Harmonies

Analogous

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



20.9729, 30.5540, 22.7192



20.2724, 30.5540, 35.8394



21.6857, 30.5540, 52.3187

Triad

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



20.2724, 30.5540, 35.8394



35.0955, 30.5540, 62.1949



33.4028, 30.5540, 13.6442

Complementary

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



20.2724, 30.5540, 35.8394



16.7744, 9.0659, 2.5361

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.



37.8949, 30.5540, 19.5145



20.2724, 30.5540, 35.8394



38.9502, 30.5540, 46.6618

Square

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



20.2724, 30.5540, 35.8394



29.9251, 30.5540, 70.1422



40.0304, 30.5540, 30.8228



28.1738, 30.5540, 12.2995

Rectangle

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



20.2724, 30.5540, 35.8394



23.7470, 30.5540, 62.2694



40.0304, 30.5540, 30.8228



35.0678, 30.5540, 15.0469

Sweetspot

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



20.2733, 30.5552, 35.8401



52.5290, 63.3953, 73.2116



14.9394, 28.4710, 5.5194



11.1246, 13.6522, 15.8492



80.6108, 84.8088, 92.3568



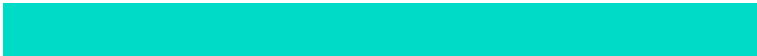
14.7206, 15.4872, 16.8656

Same Dimension

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



20.2733, 30.5552, 35.8401



35.7926, 54.9728, 63.1445



12.9985, 14.1630, 39.0957



7.7181, 8.5203, 9.5017



14.9219, 22.8875, 26.4194



0.3712, 0.5601, 0.6856

Inverse Universe

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



16.7744, 9.0659, 2.5361



29.4271, 15.1560, 2.0207



19.2469, 14.2733, 2.5520



7.5574, 7.5528, 7.9866



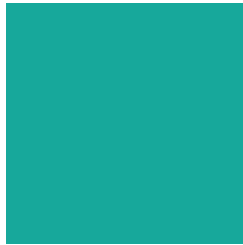
12.2690, 6.3163, 0.9622



0.3067, 0.1570, 0.0667

Previews

White Background



This preview shows how the XYZ color 20.2724, 30.5540, 35.8394 looks on a white background.

Color Contrast Check

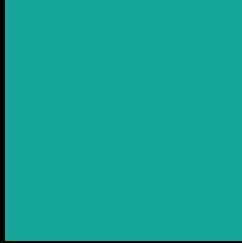
Large Text (above 18pt) WCAG AA × Fail

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 20.2724, 30.5540, 35.8394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

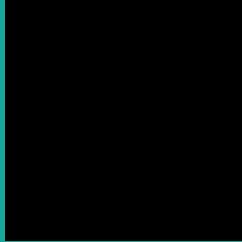
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.2724, 30.5540, 35.8394

Background



This preview shows how black text looks on a background with the XYZ color 20.2724, 30.5540, 35.8394.

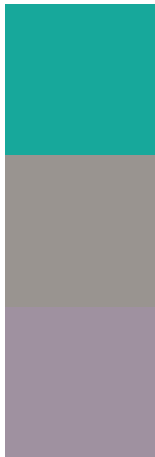


This preview shows how white text looks on a background with the XYZ color 20.2724, 30.5540,

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

20.2724, 30.5540, 35.8394

Protanopia

28.7608, 29.9657, 30.6537

Deuteranopia

30.7686, 30.1598, 37.4574



Tritanopia

22.5732, 30.6825, 46.8521

Trichromacy



Original Color

20.2724, 30.5540, 35.8394

Protanomaly

23.0105, 28.6450, 32.3332

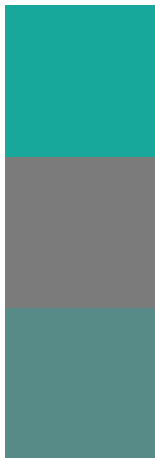
Deuteranomaly

23.9932, 28.5661, 36.5970

Tritanomaly

21.6549, 30.5680, 42.7891

Monochromacy



Original Color

20.2724, 30.5540, 35.8394

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.5363, 22.2407, 26.2903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2724, 30.5540, 35.8394 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, 168, 155)` looks like.

```
.text, #text, p{  
    color:rgb(23, 168, 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(23, 168, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 168, 155) }
```

Border

The CSS property to change the border of an element to XYZ 20.2724, 30.5540, 35.8394 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, 168, 155) }
```


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

```
.border{ border-color:rgb(23, 168, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 168, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 168, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 168, 155);  
box-shadow:4px 4px 4px 4px rgb(23, 168,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2724, 30.5540, 35.8394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 168, 155) }
```

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

```
.background{ background-color: rgb(23, 168,  
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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