

Converting Colors

XYZ(20.3276, 26.0310, 33.2146)

Have a look what the booklet for
XYZ(20.3276, 26.0310, 33.2146)
contains.

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Color

**XYZ(20.3300, 26.0255,
33.2301)**

Conversions

Conversions Part 1

Format	Color
Hex	569697
RGB	86, 150, 151
RGB Percent	34%, 59%, 59%
CMY	0.6627, 0.4118, 0.4078
CMYK	0.43, 0.01, 0.00, 0.41
HSL	181°, 27%, 46%
HSV	181°, 43%, 59%
XYZ	20.3300, 26.0255, 33.2301
YIQ	130.9780, -38.4650, -13.2570

Conversions

Conversions Part 2

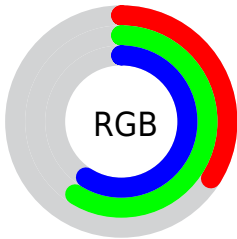
Format	Color
R_{YB}	86, 118, 151
Decimal	5674647
CIE _{Lab}	58.06, -20.21, -6.96
CIE _{LCh}	58, 21.373, 199.012
Yxy	26.0255, 0.2554, 0.3270
Android (android.graphics.Color)	4283864727 (0xFF569697)
YUV	130.9780, 9.8708, -39.4457
Hunter-Lab	51.0152, -18.1428, -2.9095

Details

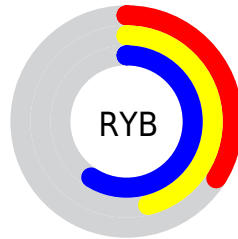
The XYZ color **20.3300, 26.0255, 33.2301** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.8508, 14.0679, 10.5792**, and the grayscale version is **21.5419, 22.6637, 24.6808**.

A 20% lighter version of the original color is **43.4275, 53.1690, 65.7314**, and **7.3272, 10.1351, 13.6267** is the 20% darker color. If you saturate the color by 10%, you get **19.0472, 25.3099, 33.1600**, and if you desaturate by 10%, it is **21.9082, 26.8947, 33.3151**.

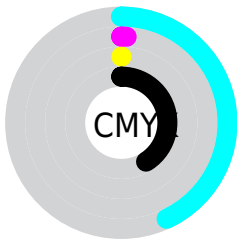
Distribution



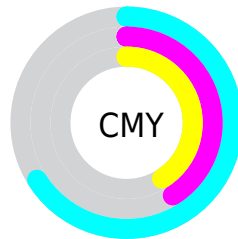
- Red (34%)
- Green (59%)
- Blue (59%)



- Red (34%)
- Yellow (46%)
- Blue (59%)



- Cyan (43%)
- Magenta (1%)
- Yellow (0%)
- Black (41%)



- Cyan (66%)
- Magenta (41%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3300, 26.0255, 33.2301 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 20.3300, 26.0255, 33.2301 by changing the saturation by 10% instead.

■ 20.3300, 26.0255,
33.2301

■ 20.3300, 26.0255,
33.2301

246.4957,
282.9072, 331.3491

■ 12.7448, 16.8427,
22.0302

■ 43.4695, 53.3161,
65.8548

■ 7.3288, 10.1224,
13.6806

■ 59.7545, 72.1927,
88.1166

■ 3.7167, 5.4802,
7.7626

■ 79.6702, 95.0693,
114.9029

■ 1.5432, 2.5317,
3.8579

■ 103.5818,
122.3304, 146.6320

■ 0.3549, 0.8924,
1.5477

131.8549,
154.3604, 183.7227

■ 0.0000, 0.0000,
0.2531

164.8546,

■ 0.0000, 0.0000,

191.5436, 226.5934

0.0000

202.9464,
234.2644, 275.6627

■ 20.3300, 26.0255,
33.2301

■ 20.3300, 26.0255,
33.2301

■ 19.0472, 25.3099,
33.1600

■ 21.9082, 26.8947,
33.3151

■ 18.0388, 24.7353,
33.1023

■ 23.7964, 27.9232,
33.4141

■ 17.2847, 24.2919,
33.0564

■ 26.0112, 29.1202,
33.5285

■ 16.7612, 23.9674,
33.0214

■ 28.5673, 30.4932,
33.6588

■ 16.4401, 23.7474,
32.9959

■ 31.4783, 32.0494,
33.8057

■ 16.2832, 23.6287,
32.9812

■ 34.7574, 33.7954,
33.9699

■ 38.4169, 35.7375,
34.1519

■ 42.4685, 37.8820,
34.3523

■ 46.9236, 40.2345,
34.5715

Harmonies

Analogous

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



20.1725, 26.0255, 25.7106



20.3300, 26.0255, 33.2301



21.6186, 26.0255, 40.4927

Triad

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



20.3300, 26.0255, 33.2301



28.6797, 26.0255, 38.7328



25.6957, 26.0255, 16.5382

Complementary

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



20.3300, 26.0255, 33.2301



17.8508, 14.0679, 10.5792

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.



28.1406, 26.0255, 18.8962



20.3300, 26.0255, 33.2301



29.9415, 26.0255, 31.1371

Square

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



20.3300, 26.0255, 33.2301



26.3906, 26.0255, 44.0321



29.7376, 26.0255, 23.9501



23.1530, 26.0255, 16.9007

Rectangle

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



20.3300, 26.0255, 33.2301



22.9992, 26.0255, 43.8072



29.7376, 26.0255, 23.9501



26.5591, 26.0255, 17.0199

Sweetspot

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



20.3308, 26.0265, 33.2307



46.4905, 52.1006, 60.0398



16.5846, 24.7841, 12.7143



10.3700, 11.7357, 13.6362



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.3308, 26.0265, 33.2307



34.1115, 45.3267, 59.3847



15.9617, 17.2883, 31.7743



6.3765, 7.0103, 7.9460



13.8543, 20.1053, 28.0582



0.2093, 0.3050, 0.4202

Inverse Universe

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



21.5959, 15.4375, 30.6968



36.7066, 23.7626, 54.1524



20.9802, 20.3267, 11.6223



6.4571, 6.3220, 7.7873



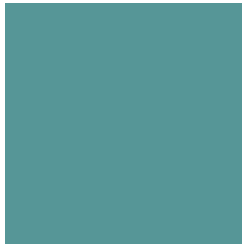
15.4518, 7.4349, 24.7018



0.2321, 0.1116, 0.3752

Previews

White Background



This preview shows how the XYZ color 20.3300, 26.0255, 33.2301 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3300, 26.0255, 33.2301 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 × Fail

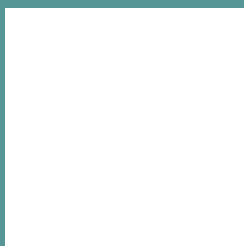
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3300, 26.0255, 33.2301

Background



This preview shows how black text looks on a background with the XYZ color 20.3300, 26.0255, 33.2301.

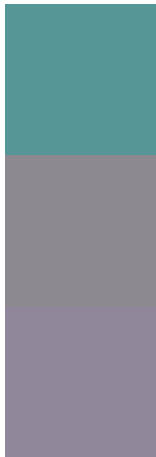


This preview shows how white text looks on a background with the XYZ color 20.3300, 26.0255,

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

20.3300, 26.0255, 33.2301

Protanopia

24.9377, 25.7660, 30.0445

Deuteranopia

26.1738, 25.6808, 34.1492



Tritanopia

21.3003, 26.1919, 37.6511

Trichromacy



Original Color

20.3300, 26.0255, 33.2301

Protanomaly

22.6852, 25.4457, 31.3196

Deuteranomaly

23.4400, 25.3412, 33.7929

Tritanomaly

20.8578, 26.0039, 35.8182

Monochromacy



Original Color

20.3300, 26.0255, 33.2301

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.7462, 23.6568, 27.5175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3300, 26.0255, 33.2301 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(86, 150, 151)` looks like.

```
.text, #text, p{  
    color:rgb(86, 150, 151)  
}
```

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(86, 150, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 150, 151) }
```

Border

The CSS property to change the border of an element to XYZ 20.3300, 26.0255, 33.2301 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(86, 150, 151) }
```


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

```
.border{ border-color:rgb(86, 150, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 150, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 150, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 150, 151);  
box-shadow:4px 4px 4px 4px rgb(86, 150,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3300, 26.0255, 33.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 150, 151) }
```

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

```
.background{ background-color: rgb(86, 150,  
151) }
```

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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