

Converting Colors

XYZ(20.2664, 27.4566, 40.7262)

Have a look what the booklet for
XYZ(20.2664, 27.4566, 40.7262)
contains.

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Color

**XYZ(20.3474, 27.5821,
40.8107)**

Conversions

Conversions Part 1

Format	Color
Hex	329DA7
RGB	50, 157, 167
RGB Percent	20%, 62%, 65%
CMY	0.8039, 0.3843, 0.3451
CMYK	0.70, 0.06, 0.00, 0.35
HSL	185°, 54%, 43%
HSV	185°, 70%, 65%
XYZ	20.3474, 27.5821, 40.8107
YIQ	126.1470, -66.9820, -19.5740

Conversions

Conversions Part 2

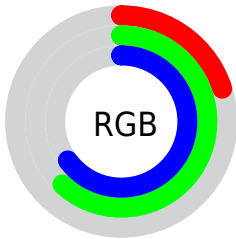
Format	Color
R_{YB}	50, 106, 167
Decimal	3317159
CIE _{Lab}	59.51, -26.36, -14.01
CIE _{LCh}	60, 29.856, 207.991
Yxy	27.5821, 0.2293, 0.3108
Android (android.graphics.Color)	4281507239 (0xFF329DA7)
YUV	126.1470, 20.1405, -66.7809
Hunter-Lab	52.5187, -22.7511, -9.3094

Details

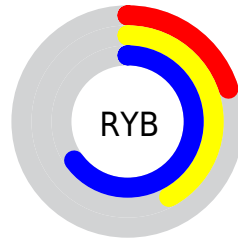
The XYZ color **20.3474, 27.5821, 40.8107** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.1286, 11.6782, 4.3170**, and the grayscale version is **19.8321, 20.8649, 22.7219**.

A 20% lighter version of the original color is **43.5384, 55.8716, 77.5968**, and **8.1461, 11.3410, 17.9793** is the 20% darker color. If you saturate the color by 10%, you get **19.4295, 26.7531, 40.6996**, and if you desaturate by 10%, it is **21.5701, 28.5736, 40.9381**.

Distribution



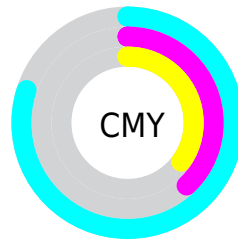
- Red (20%)
- Green (62%)
- Blue (65%)



- Red (20%)
- Yellow (42%)
- Blue (65%)



- Cyan (70%)
- Magenta (6%)
- Yellow (0%)
- Black (35%)





- Cyan (80%)
- Magenta (38%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3474, 27.5821, 40.8107 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 20.3474, 27.5821, 40.8107 by changing the saturation by 10% instead.


 20.3474, 27.5821,
40.8107


 20.3474, 27.5821,
40.8107


246.5875,
290.4646, 365.1820


 12.7576, 18.0109,
27.8526


 43.4984, 55.8166,
77.6470


 7.3377, 10.9578,
17.9765


 59.7902, 75.2486,
102.3623


 3.7223, 6.0385,
10.7639


 79.7134, 98.7363,
131.8337

 1.5463, 2.8685,
5.7961

 103.6334,
126.6642, 166.4798

 0.3570, 1.0635,
2.6547

 131.9154,
159.4165, 206.7192

 0.0000, 0.0000,
0.9205

164.9248,

 0.0000, 0.0000,

197.3778, 252.9703

0.0000

203.0271,
240.9323, 305.6517

■ 20.3474, 27.5821,
40.8107

■ 20.3474, 27.5821,
40.8107

■ 19.4295, 26.7531,
40.6996

■ 21.5701, 28.5736,
40.9381

■ 18.7794, 26.0657,
40.6012

■ 23.1244, 29.7397,
41.0813

■ 18.3221, 25.4839,
40.5130

■ 25.0371, 31.0947,
41.2420

■ 27.3313, 32.6506,
41.4214

■ 30.0285, 34.4185,
41.6205

■ 33.1484, 36.4086,
41.8402

■ 36.7093, 38.6303,
42.0814

■ 40.7287, 41.0927,
42.3448

■ 45.2229, 43.8041,
42.6313

Harmonies

Analogous

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



19.6466, 27.5821, 29.3136



20.3474, 27.5821, 40.8107



22.5747, 27.5821, 51.1809

Triad

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



20.3474, 27.5821, 40.8107



32.8219, 27.5821, 42.3696



26.4697, 27.5821, 13.7539

Complementary

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



20.3474, 27.5821, 40.8107



18.1286, 11.6782, 4.3170

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.



30.2291, 27.5821, 15.6979



20.3474, 27.5821, 40.8107



34.1073, 27.5821, 30.7625

Square

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



20.3474, 27.5821, 40.8107



29.7498, 27.5821, 52.2215



33.1166, 27.5821, 21.3412



22.9736, 27.5821, 15.2325

Rectangle

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



20.3474, 27.5821, 40.8107



24.7433, 27.5821, 55.1144



33.1166, 27.5821, 21.3412



27.7459, 27.5821, 14.0167

Sweetspot

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



20.3483, 27.5831, 40.8114



53.0962, 61.1989, 74.4894



15.9438, 28.6398, 8.9289



11.5856, 13.5023, 16.6477



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.



20.3483, 27.5831, 40.8114



34.1052, 47.2104, 72.7903



12.7294, 12.3455, 38.2718



7.6919, 8.4208, 9.6383



14.0377, 19.5356, 31.0064



0.3570, 0.5061, 0.7595

Inverse Universe

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



23.1635, 12.9318, 33.1746



39.6977, 20.1227, 57.1673



23.0207, 21.4626, 5.9477



7.8138, 7.6554, 9.3369



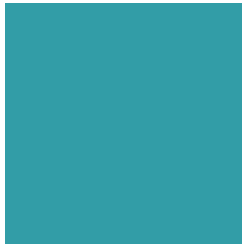
16.5862, 8.0432, 23.6961



0.4113, 0.1988, 0.6175

Previews

White Background



This preview shows how the XYZ color 20.3474, 27.5821, 40.8107 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 20.3474, 27.5821, 40.8107 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

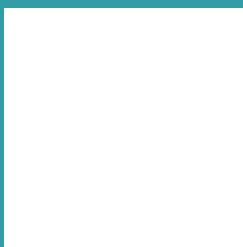
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3474, 27.5821, 40.8107

Background



This preview shows how black text looks on a background with the XYZ color 20.3474, 27.5821, 40.8107.

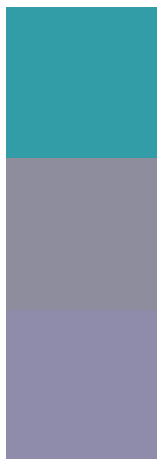


This preview shows how white text looks on a background with the XYZ color 20.3474, 27.5821,

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

20.3474, 27.5821, 40.8107

Protanopia

26.5952, 27.1468, 35.7364

Deuteranopia

27.7386, 27.1563, 42.3078



Tritanopia

20.5836, 27.6823, 41.7945

Trichromacy



Original Color

20.3474, 27.5821, 40.8107

Protanomaly

23.0511, 26.6288, 37.6432

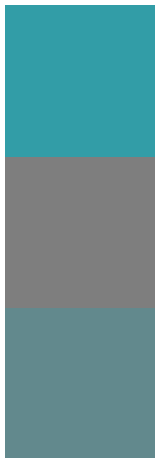
Deuteranomaly

23.8413, 26.7113, 41.9294

Tritanomaly

20.4901, 27.6449, 41.3018

Monochromacy



Original Color

20.3474, 27.5821, 40.8107

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.7904, 22.4111, 28.5347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3474, 27.5821, 40.8107 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(50, 157, 167)` looks like.

```
.text, #text, p{  
    color:rgb(50, 157, 167)  
}
```

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(50, 157, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 157, 167) }
```

Border

The CSS property to change the border of an element to XYZ 20.3474, 27.5821, 40.8107 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(50, 157, 167) }
```


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

```
.border{ border-color:rgb(50, 157, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 157, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 157, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 157, 167);  
box-shadow:4px 4px 4px 4px rgb(50, 157,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3474, 27.5821, 40.8107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 157, 167) }
```

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

```
.background{ background-color: rgb(50, 157,  
167) }
```

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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