

Converting Colors

XYZ(20.1739, 27.8429, 35.9147)

Have a look what the booklet for
XYZ(20.1739, 27.8429, 35.9147)
contains.

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Color

**XYZ(20.1521, 27.8461,
35.7652)**

Conversions

Conversions Part 1

Format	Color
Hex	3D9E9C
RGB	61, 158, 156
RGB Percent	24%, 62%, 61%
CMY	0.7608, 0.3804, 0.3882
CMYK	0.61, 0.00, 0.01, 0.38
HSL	179°, 44%, 43%
HSV	179°, 61%, 62%
XYZ	20.1521, 27.8461, 35.7652
YIQ	128.7690, -57.1700, -21.1860

Conversions

Conversions Part 2

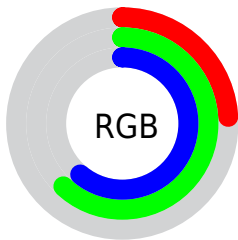
Format	Color
R_{YB}	61, 110, 158
Decimal	4038300
CIE _{Lab}	59.75, -28.36, -7.39
CIE _{LCh}	60, 29.307, 194.611
Yxy	27.8461, 0.2406, 0.3324
Android (android.graphics.Color)	4282228380 (0xFF3D9E9C)
YUV	128.7690, 13.4249, -59.4334
Hunter-Lab	52.7694, -24.1791, -3.2460

Details

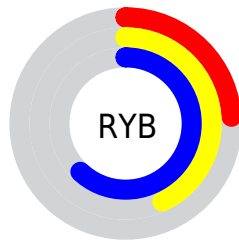
The XYZ color **20.1521, 27.8461, 35.7652** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.6675, 10.9664, 5.9419**, and the grayscale version is **20.7552, 21.8361, 23.7795**.

A 20% lighter version of the original color is **43.1728, 56.2347, 69.5517**, and **7.7038, 11.3280, 15.1451** is the 20% darker color. If you saturate the color by 10%, you get **19.2918, 27.4064, 35.5816**, and if you desaturate by 10%, it is **21.3007, 28.4357, 35.9639**.

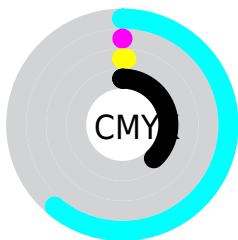
Distribution



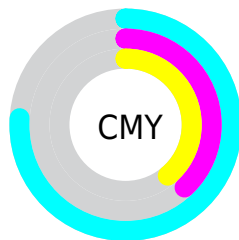
- Red (24%)
- Green (62%)
- Blue (61%)



- Red (24%)
- Yellow (43%)
- Blue (62%)



- Cyan (61%)
- Magenta (0%)
- Yellow (1%)
- Black (38%)



- Cyan (76%)
- Magenta (38%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1521, 27.8461, 35.7652 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 20.1521, 27.8461, 35.7652 by changing the saturation by 10% instead.

■ 20.1521, 27.8461,
35.7652

■ 20.1521, 27.8461,
35.7652

245.5552,
291.7308, 342.9394

■ 12.6146, 18.2097,
23.9647

■ 43.1740, 56.2386,
69.8345

■ 7.2388, 11.1006,
15.0954

■ 59.3892, 75.7635,
92.9403

■ 3.6596, 6.1346,
8.7390

■ 79.2275, 99.3534,
120.6516

■ 1.5114, 2.9271,
4.4769

■ 103.0544,
127.3926, 153.3869

■ 0.3336, 1.0938,
1.8904

■ 131.2353,
160.2656, 191.5648

■ 0.0000, 0.0000,
0.4866

164.1355,

■ 0.0000, 0.0000,

198.3566, 235.6038

0.0000

202.1204,
242.0503, 285.9225

■ 20.1521, 27.8461,
35.7652

■ 20.1521, 27.8461,
35.7652

■ 19.2918, 27.4064,
35.5816

■ 21.3007, 28.4357,
35.9639

■ 18.6913, 27.1000,
35.4100

■ 22.7579, 29.1837,
36.1768

■ 18.3206, 26.9121,
35.2495

■ 24.5452, 30.1018,
36.4055

■ 18.1221, 26.8125,
35.1172

■ 26.6812, 31.1998,
36.6510

■ 29.1835, 32.4865,
36.9139

■ 32.0681, 33.9704,
37.1952

■ 35.3504, 35.6592,
37.4954

■ 39.0448, 37.5605,
37.8153

■ 43.1649, 39.6812,
38.1556

Harmonies

Analogous

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



20.1730, 27.8461, 25.2192



20.1521, 27.8461, 35.7652



21.7106, 27.8461, 47.0315

Triad

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



20.1521, 27.8461, 35.7652



31.7941, 27.8461, 47.2949



28.4036, 27.8461, 14.5911

Complementary

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



20.1521, 27.8461, 35.7652



16.6675, 10.9664, 5.9419

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.



31.8716, 27.8461, 18.1257



20.1521, 27.8461, 35.7652



33.9500, 27.8461, 36.0653

Square

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



20.1521, 27.8461, 35.7652



28.3056, 27.8461, 54.6697



33.9797, 27.8461, 25.4570



24.7095, 27.8461, 14.5471

Rectangle

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



20.1521, 27.8461, 35.7652



23.5272, 27.8461, 52.7499



33.9797, 27.8461, 25.4570



29.6418, 27.8461, 15.3657

Sweetspot

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



20.1529, 27.8472, 35.7659



49.7601, 57.3297, 66.6974



15.1996, 25.8895, 8.6117



10.9490, 12.7864, 15.0078



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.1529, 27.8472, 35.7659



34.5362, 49.5147, 64.4849



13.9724, 15.2127, 34.5488



6.8159, 7.5071, 8.4654



14.5153, 21.4741, 28.1343



0.2612, 0.3846, 0.5118

Inverse Universe

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



16.6675, 10.9664, 5.9419



27.6469, 16.1054, 5.5037



20.1255, 17.9703, 6.8236



6.6383, 6.6483, 6.9466



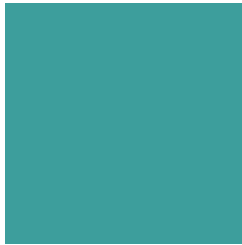
11.3092, 5.8283, 0.6135



0.2037, 0.1048, 0.0186

Previews

White Background



This preview shows how the XYZ color 20.1521, 27.8461, 35.7652 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 20.1521, 27.8461, 35.7652 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

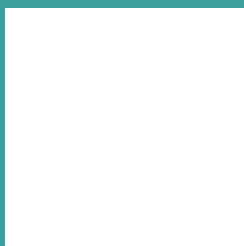
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1521, 27.8461, 35.7652

Background



This preview shows how black text looks on a background with the XYZ color 20.1521, 27.8461, 35.7652.

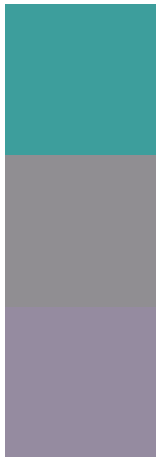


This preview shows how white text looks on a background with the XYZ color 20.1521, 27.8461,

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

20.1521, 27.8461, 35.7652

Protanopia

26.3629, 27.3506, 31.0839

Deuteranopia

27.9722, 27.3929, 37.0708



Tritanopia

21.3646, 27.8348, 41.7827

Trichromacy



Original Color

20.1521, 27.8461, 35.7652

Protanomaly

23.0344, 26.9592, 32.8438

Deuteranomaly

23.8730, 26.8429, 36.7238

Tritanomaly

20.9378, 27.9181, 39.4072

Monochromacy



Original Color

20.1521, 27.8461, 35.7652

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.7472, 23.5633, 27.9335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1521, 27.8461, 35.7652 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(61, 158, 156)` looks like.

```
.text, #text, p{  
    color:rgb(61, 158, 156)  
}
```

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(61, 158, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 158, 156) }
```

Border

The CSS property to change the border of an element to XYZ 20.1521, 27.8461, 35.7652 is called "border". The border property can be set on classes, ids or directly on the HTML element.

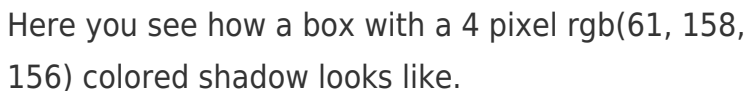
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(61, 158, 156) }
```


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

```
.border{ border-color:rgb(61, 158, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(61, 158, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 158, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 158, 156);  
box-shadow:4px 4px 4px 4px rgb(61, 158,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1521, 27.8461, 35.7652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 158, 156) }
```

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

```
.background{ background-color: rgb(61, 158,  
156) }
```

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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