

Converting Colors

XYZ(20.5998, 28.0678, 41.4952)

Have a look what the booklet for
XYZ(20.5998, 28.0678, 41.4952)
contains.

XYZ(20.5137, 27.9093, 41.3516)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.5137, 27.9093,
41.3516)**

Conversions

Conversions Part 1

Format	Color
Hex	309EA8
RGB	48, 158, 168
RGB Percent	19%, 62%, 66%
CMY	0.8117, 0.3804, 0.3412
CMYK	0.71, 0.06, 0.00, 0.34
HSL	185°, 56%, 42%
HSV	185°, 71%, 66%
XYZ	20.5137, 27.9093, 41.3516
YIQ	126.2500, -68.7700, -20.2100

Conversions

Conversions Part 2

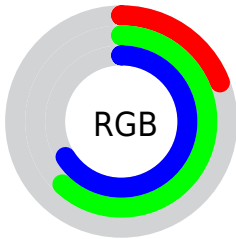
Format	Color
R_{YB}	48, 105, 168
Decimal	3186344
CIE _{Lab}	59.81, -26.83, -14.13
CIE _{LCh}	60, 30.328, 207.777
Yxy	27.9093, 0.2285, 0.3109
Android (android.graphics.Color)	4281376424 (0xFF309EA8)
YUV	126.2500, 20.5828, -68.6252
Hunter-Lab	52.8293, -23.1393, -9.4282

Details

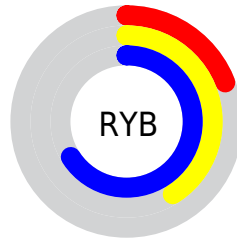
The XYZ color **20.5137, 27.9093, 41.3516** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.1957, 11.5652, 4.0705**, and the grayscale version is **19.8663, 20.9009, 22.7611**.

A 20% lighter version of the original color is **43.7956, 56.3610, 78.3825**, and **8.3064, 11.5690, 18.3182** is the 20% darker color. If you saturate the color by 10%, you get **19.6292, 27.1014, 41.2428**, and if you desaturate by 10%, it is **21.7027, 28.8794, 41.4767**.

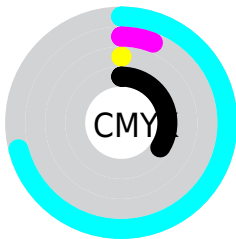
Distribution



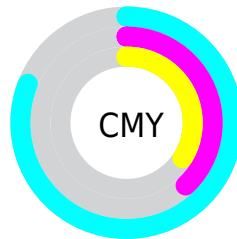
- Red (19%)
- Green (62%)
- Blue (66%)



- Red (19%)
- Yellow (41%)
- Blue (66%)



- Cyan (71%)
- Magenta (6%)
- Yellow (0%)
- Black (34%)



- Cyan (81%)
- Magenta (38%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5137, 27.9093, 41.3516 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 20.5137, 27.9093, 41.3516 by changing the saturation by 10% instead.

■ 20.5137, 27.9093,
41.3516

■ 20.5137, 27.9093,
41.3516

247.4636,
292.0333, 367.5080

■ 12.8794, 18.2573,
28.2722

■ 43.7742, 56.3396,
78.4768

■ 7.4220, 11.1349,
18.2901

■ 60.1311, 75.8867,
103.3596

■ 3.7761, 6.1576,
10.9869

■ 80.1263, 99.5009,
133.0140

■ 1.5762, 2.9412,
5.9439

■ 104.1251,
127.5667, 167.8585

■ 0.3768, 1.1011,
2.7428

■ 132.4929,
160.4685, 208.3116

■ 0.0000, 0.0000,
0.9648

165.5950,

■ 0.0000, 0.0000,

198.5905, 254.7919

0.0000

203.7968,
242.3173, 307.7178

■ 20.5137, 27.9093,
41.3516

■ 20.5137, 27.9093,
41.3516

■ 19.6292, 27.1014,
41.2428

■ 21.7027, 28.8794,
41.4767

■ 19.0106, 26.4341,
41.1466

■ 23.2240, 30.0242,
41.6175

■ 18.6239, 25.9391,
41.0714

■ 25.1051, 31.3586,
41.7759

■ 27.3700, 32.8949,
41.9531

■ 30.0405, 34.6444,
42.1500

■ 33.1369, 36.6175,
42.3677

■ 36.6780, 38.8240,
42.6069

■ 40.6816, 41.2731,
42.8686

■ 45.1644, 43.9734,
43.1536

Harmonies

Analogous

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



19.8095, 27.9093, 29.5754



20.5137, 27.9093, 41.3516



22.7801, 27.9093, 52.0274

Triad

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



20.5137, 27.9093, 41.3516



33.2792, 27.9093, 43.1213



26.8145, 27.9093, 13.7727

Complementary

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



20.5137, 27.9093, 41.3516



18.1957, 11.5652, 4.0705

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.



30.6636, 27.9093, 15.7756



20.5137, 27.9093, 41.3516



34.6135, 27.9093, 31.2163

Square

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



20.5137, 27.9093, 41.3516



30.1203, 27.9093, 53.2104



33.6136, 27.9093, 21.5576



23.2314, 27.9093, 15.2516

Rectangle

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



20.5137, 27.9093, 41.3516



24.9937, 27.9093, 56.1061



33.6136, 27.9093, 21.5576



28.1217, 27.9093, 14.0481

Sweetspot

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



20.5146, 27.9103, 41.3523



54.5324, 62.8795, 76.4879



15.9361, 28.9198, 8.4845



11.5917, 13.5145, 16.6498



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.



20.5146, 27.9103, 41.3523



34.8762, 48.4057, 74.7302



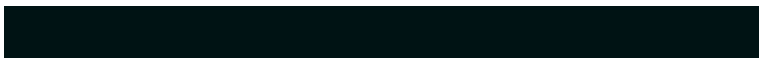
12.8449, 12.5711, 38.7957



7.6933, 8.4235, 9.6388



14.0820, 19.6241, 31.0211



0.3577, 0.5076, 0.7598

Inverse Universe

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



23.3777, 12.9082, 33.6083



40.6354, 20.4109, 58.6640



22.9282, 21.0301, 5.6480



7.8145, 7.6557, 9.3406



16.6085, 8.0521, 23.8138



0.4117, 0.1990, 0.6195

Previews

White Background



This preview shows how the XYZ color 20.5137, 27.9093, 41.3516 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 20.5137, 27.9093, 41.3516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

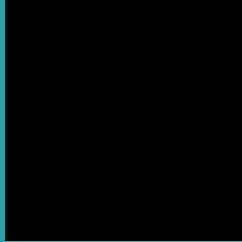
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.5137, 27.9093, 41.3516

Background



This preview shows how black text looks on a background with the XYZ color 20.5137, 27.9093, 41.3516.

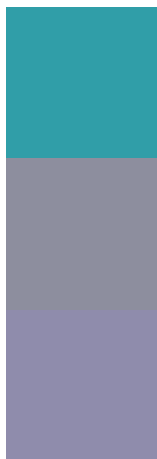


This preview shows how white text looks on a background with the XYZ color 20.5137, 27.9093,

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

20.5137, 27.9093, 41.3516

Protanopia

26.8291, 27.4773, 36.2374

Deuteranopia

28.1522, 27.5744, 42.8683



Tritanopia

20.7980, 28.0341, 42.3452

Trichromacy



Original Color

20.5137, 27.9093, 41.3516

Protanomaly

23.1749, 26.9142, 38.1559

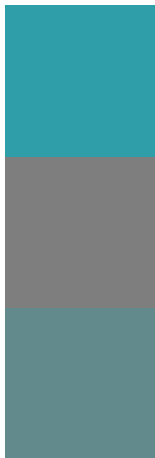
Deuteranomaly

23.9687, 26.9959, 42.4755

Tritanomaly

20.6549, 27.9713, 41.8465

Monochromacy



Original Color

20.5137, 27.9093, 41.3516

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.9332, 22.6967, 28.5823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5137, 27.9093, 41.3516 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(48, 158, 168)` looks like.

```
.text, #text, p{  
    color:rgb(48, 158, 168)  
}
```

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(48, 158, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 158, 168) }
```

Border

The CSS property to change the border of an element to XYZ 20.5137, 27.9093, 41.3516 is called "border". The border property can be set on classes, ids or directly on the HTML element.

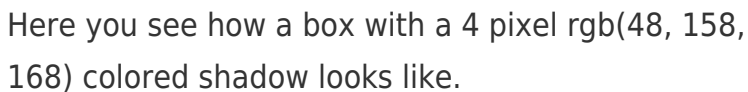
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(48, 158, 168) }
```


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

```
.border{ border-color:rgb(48, 158, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(48, 158, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 158, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 158, 168);  
box-shadow:4px 4px 4px 4px rgb(48, 158,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5137, 27.9093, 41.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 158, 168) }
```

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

```
.background{ background-color: rgb(48, 158,  
168) }
```

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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