

Converting Colors

XYZ(20.0953, 27.2109, 40.9694)

Have a look what the booklet for
XYZ(20.0953, 27.2109, 40.9694)
contains.

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Color

**XYZ(20.0358, 27.1713,
40.7478)**

Conversions

Conversions Part 1

Format	Color
Hex	2F9CA7
RGB	47, 156, 167
RGB Percent	18%, 61%, 65%
CMY	0.8157, 0.3882, 0.3451
CMYK	0.72, 0.07, 0.00, 0.35
HSL	185°, 56%, 42%
HSV	185°, 72%, 65%
XYZ	20.0358, 27.1713, 40.7478
YIQ	124.6630, -68.4950, -19.6870

Conversions

Conversions Part 2

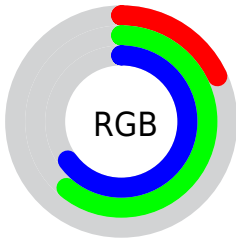
Format	Color
R_{YB}	47, 104, 167
Decimal	3120295
CIE _{Lab}	59.13, -26.27, -14.59
CIE _{LCh}	59, 30.053, 209.039
Yxy	27.1713, 0.2278, 0.3089
Android (android.graphics.Color)	4281310375 (0xFF2F9CA7)
YUV	124.6630, 20.8721, -68.1105
Hunter-Lab	52.1261, -22.6103, -9.8597




Details

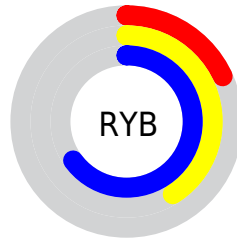
The XYZ color **20.0358, 27.1713, 40.7478** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.9632, 11.4476, 3.9530**, and the grayscale version is **19.3295, 20.3362, 22.1461**.




A 20% lighter version of the original color is **43.0346, 55.2420, 77.5018**, and **8.0448, 11.1384, 17.9456** is the 20% darker color. If you saturate the color by 10%, you get **19.1532, 26.3379, 40.6340**, and if you desaturate by 10%, it is **21.2179, 28.1650, 40.8778**.

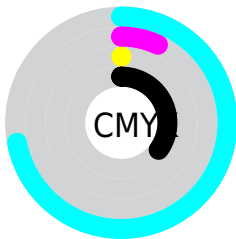
Distribution







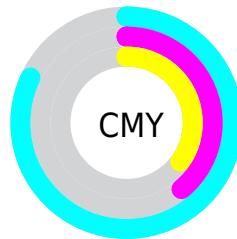
-  Red (18%)
-  Green (61%)
-  Blue (65%)






-  Red (18%)
-  Yellow (41%)
-  Blue (65%)



-  Cyan (72%)
-  Magenta (7%)
-  Yellow (0%)
-  Black (35%)



-  Cyan (82%)
-  Magenta (39%)
-  Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0358, 27.1713, 40.7478 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 20.0358, 27.1713, 40.7478 by changing the saturation by 10% instead.

■ 20.0358, 27.1713,
40.7478

■ 20.0358, 27.1713,
40.7478

244.9387,
288.4856, 364.9108

■ 12.5295, 17.7019,
27.8039

■ 42.9807, 55.1586,
77.5504

■ 7.1801, 10.7362,
17.9401

■ 59.1500, 74.4454,
102.2461

■ 3.6223, 5.8897,
10.7380

■ 78.9376, 97.7733,
131.6962

■ 1.4908, 2.7781,
5.7790

■ 102.7090,
125.5269, 166.3192

■ 0.3195, 1.0170,
2.6446

■ 130.8294,
158.0906, 206.5336

■ 0.0000, 0.0000,
0.9153

163.6643,

■ 0.0000, 0.0000,

195.8486, 252.7580

0.0000

201.5789,
239.1855, 305.4109

■ 20.0358, 27.1713,
40.7478

■ 20.0358, 27.1713,
40.7478

■ 19.1532, 26.3379,
40.6340

■ 21.2179, 28.1650,
40.8778

■ 18.5318, 25.6434,
40.5327

■ 22.7271, 29.3316,
41.0234

■ 18.1537, 25.1472,
40.4568

■ 24.5905, 30.6856,
41.1866

■ 26.8320, 32.2394,
41.3684

■ 29.4732, 34.0041,
41.5698

■ 32.5340, 35.9901,
41.7918

■ 36.0331, 38.2069,
42.0352

■ 39.9880, 40.6636,
42.3010

■ 44.4153, 43.3687,
42.5898

Harmonies

Analogous

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



19.2831, 27.1713, 29.2410



20.0358, 27.1713, 40.7478



22.3005, 27.1713, 50.9878

Triad

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



20.0358, 27.1713, 40.7478



32.4945, 27.1713, 41.4925



25.9462, 27.1713, 13.4033

Complementary

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



20.0358, 27.1713, 40.7478



17.9632, 11.4476, 3.9530

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.



29.7037, 27.1713, 15.2076



20.0358, 27.1713, 40.7478



33.7019, 27.1713, 29.9315

Square

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



20.0358, 27.1713, 40.7478



29.4751, 27.1713, 51.4856



32.6352, 27.1713, 20.6732



22.4904, 27.1713, 14.9871

Rectangle

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



20.0358, 27.1713, 40.7478



24.4825, 27.1713, 54.7542



32.6352, 27.1713, 20.6732



27.2168, 27.1713, 13.6244

Sweetspot

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



20.0366, 27.1723, 40.7485



52.5064, 60.7157, 74.4272



15.7302, 28.5378, 8.5511



11.4624, 13.3968, 16.6338



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.



20.0366, 27.1723, 40.7485



33.6140, 46.4311, 72.6657



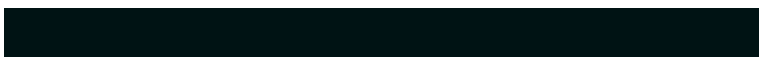
12.4229, 11.9448, 38.2105



7.6879, 8.4127, 9.6370



13.9100, 19.2802, 30.9638



0.3549, 0.5019, 0.7588

Inverse Universe

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



22.9543, 12.6496, 32.6853



39.4002, 19.8140, 56.1858



22.8115, 21.1443, 5.5691



7.8118, 7.6546, 9.3262



16.5217, 8.0174, 23.3568



0.4103, 0.1984, 0.6119

Previews

White Background



This preview shows how the XYZ color 20.0358, 27.1713, 40.7478 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 20.0358, 27.1713, 40.7478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

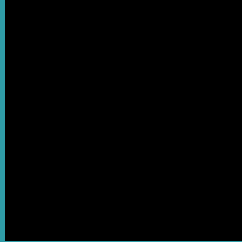
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0358, 27.1713, 40.7478

Background



This preview shows how black text looks on a background with the XYZ color 20.0358, 27.1713, 40.7478.



This preview shows how white text looks on a background with the XYZ color 20.0358, 27.1713,

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

20.0358, 27.1713, 40.7478

Protanopia

26.1113, 26.6795, 35.6717

Deuteranopia

27.2544, 26.6927, 42.2438



Tritanopia

20.1753, 27.2325, 41.2388

Trichromacy



Original Color

20.0358, 27.1713, 40.7478

Protanomaly

22.6558, 26.1951, 37.5803

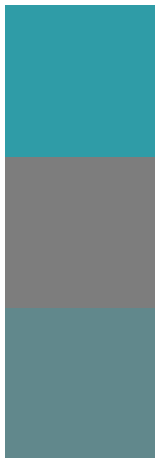
Deuteranomaly

23.3250, 26.2172, 41.8613

Tritanomaly

20.1753, 27.2325, 41.2388

Monochromacy



Original Color

20.0358, 27.1713, 40.7478

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.4675, 22.0432, 28.0924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0358, 27.1713, 40.7478 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(47, 156, 167)` looks like.

```
.text, #text, p{  
    color:rgb(47, 156, 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(47, 156, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 156, 167) }
```

Border

The CSS property to change the border of an element to XYZ 20.0358, 27.1713, 40.7478 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(47, 156, 167) }
```


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

```
.border{ border-color:rgb(47, 156, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 156, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 156, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 156, 167);  
box-shadow:4px 4px 4px 4px rgb(47, 156,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0358, 27.1713, 40.7478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 156, 167) }
```

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

```
.background{ background-color: rgb(47, 156,  
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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