

Converting Colors

XYZ(20.1047, 28.4761, 37.1341)

Have a look what the booklet for
XYZ(20.1047, 28.4761, 37.1341)
contains.

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Color

**XYZ(20.1752, 28.5973,
37.2574)**

Conversions

Conversions Part 1

Format	Color
Hex	2FA19F
RGB	47, 161, 159
RGB Percent	18%, 63%, 62%
CMY	0.8157, 0.3686, 0.3765
CMYK	0.71, 0.00, 0.01, 0.37
HSL	179°, 55%, 41%
HSV	179°, 71%, 63%
XYZ	20.1752, 28.5973, 37.2574
YIQ	126.6860, -67.3020, -24.7900

Conversions

Conversions Part 2

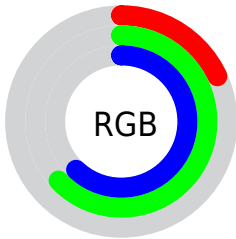
Format	Color
RYB	47, 105, 161
Decimal	3121567
CIELab	60.42, -31.16, -8.12
CIElCh	60, 32.196, 194.611
Yxy	28.5973, 0.2345, 0.3324
Android (android.graphics.Color)	4281311647 (0xFF2FA19F)
YUV	126.6860, 15.9308, -69.8846
Hunter-Lab	53.4764, -26.2406, -3.8742

Details

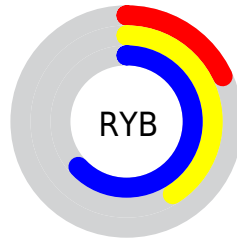
The XYZ color **20.1752, 28.5973, 37.2574** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.2698, 9.8328, 3.9471**, and the grayscale version is **20.0300, 21.0731, 22.9486**.

A 20% lighter version of the original color is **43.2490, 57.3463, 72.4078**, and **8.1754, 12.0200, 16.0766** is the 20% darker color. If you saturate the color by 10%, you get **19.5412, 28.2739, 37.1005**, and if you desaturate by 10%, it is **21.0848, 29.0640, 37.4288**.

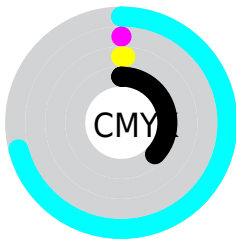
Distribution



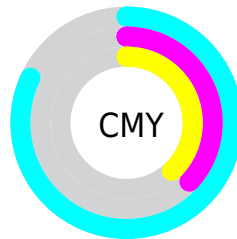
- Red (18%)
- Green (63%)
- Blue (62%)



- Red (18%)
- Yellow (41%)
- Blue (63%)



- Cyan (71%)
- Magenta (0%)
- Yellow (1%)
- Black (37%)



- Cyan (82%)
- Magenta (37%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1752, 28.5973, 37.2574 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 20.1752, 28.5973, 37.2574 by changing the saturation by 10% instead.

■ 20.1752, 28.5973,
37.2574

■ 20.1752, 28.5973,
37.2574

245.6775,
295.3101, 349.6258

■ 12.6315, 18.7764,
25.1095

■ 43.2124, 57.4367,
72.1592

■ 7.2505, 11.5088,
15.9389

■ 59.4366, 77.2239,
95.7503

■ 3.6670, 6.4102,
9.3270

■ 79.2850, 101.1020,
123.9927

■ 1.5155, 3.0961,
4.8554

■ 103.1230,
129.4555, 157.3052

■ 0.3364, 1.1821,
2.1054

■ 131.3159,
162.6686, 196.1062

■ 0.0000, 0.0470,
0.6190

164.2290,

■ 0.0000, 0.0000,

201.1259, 240.8142

0.0000

202.2278,
245.2116, 291.8479

■ 20.1752, 28.5973,
37.2574

■ 20.1752, 28.5973,
37.2574

■ 19.5412, 28.2739,
37.1005

■ 21.0848, 29.0640,
37.4288

■ 19.1483, 28.0742,
36.9545

■ 22.2944, 29.6847,
37.6139

■ 18.9320, 27.9653,
36.8272

■ 23.8287, 30.4728,
37.8145

■ 25.7091, 31.4394,
38.0316

■ 27.9552, 32.5944,
38.2661

■ 30.5851, 33.9473,
38.5188

■ 33.6157, 35.5068,
38.7906

■ 37.0630, 37.2810,
39.0822

■ 40.9419, 39.2778,
39.3943

Harmonies

Analogous

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



20.1982, 28.5973, 25.4647



20.1752, 28.5973, 37.2574



21.8928, 28.5973, 50.0753

Triad

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



20.1752, 28.5973, 37.2574



33.1709, 28.5973, 50.3768



29.3512, 28.5973, 13.9083

Complementary

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



20.1752, 28.5973, 37.2574



16.2698, 9.8328, 3.9471

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.



33.2584, 28.5973, 17.7013



20.1752, 28.5973, 37.2574



35.6118, 28.5973, 37.5960

Square

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



20.1752, 28.5973, 37.2574



29.2412, 28.5973, 58.8582



35.6453, 28.5973, 25.7276



25.2196, 28.5973, 13.8615

Rectangle

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



20.1752, 28.5973, 37.2574



23.9049, 28.5973, 56.6448



35.6453, 28.5973, 25.7276



30.7432, 28.5973, 14.7341

Sweetspot

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



20.1761, 28.5984, 37.2581



49.8071, 58.2399, 68.5033



14.6141, 26.3947, 7.0146



10.6850, 12.6502, 14.9996



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.



20.1761, 28.5984, 37.2581



34.5392, 50.4023, 66.2878



12.9479, 13.8618, 35.7126



7.2707, 8.0091, 9.0374



15.1216, 22.3350, 29.4206



0.3193, 0.4699, 0.6265

Inverse Universe

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



16.2698, 9.8328, 3.9471



27.1182, 14.6874, 2.9560



19.7886, 16.9364, 4.9162



7.0786, 7.0879, 7.4002



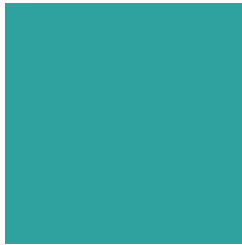
11.7528, 6.0572, 0.6230



0.2484, 0.1278, 0.0206

Previews

White Background



This preview shows how the XYZ color 20.1752, 28.5973, 37.2574 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 20.1752, 28.5973, 37.2574 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

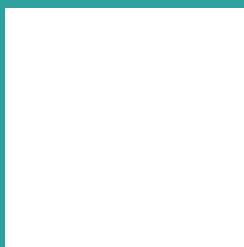
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1752, 28.5973, 37.2574

Background



This preview shows how black text looks on a background with the XYZ color 20.1752, 28.5973, 37.2574.

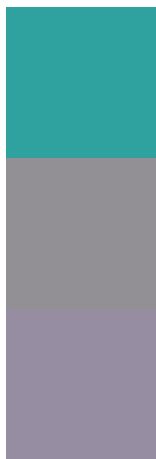


This preview shows how white text looks on a background with the XYZ color 20.1752, 28.5973,

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

20.1752, 28.5973, 37.2574

Protanopia

27.2521, 28.2274, 32.4459

Deuteranopia

28.7134, 28.1781, 38.5759



Tritanopia

21.4201, 28.5871, 43.4186

Trichromacy



Original Color

20.1752, 28.5973, 37.2574

Protanomaly

23.0865, 27.4276, 34.2143

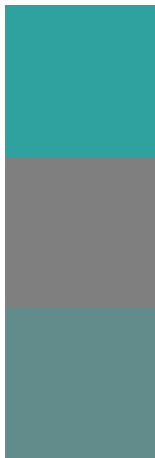
Deuteranomaly

23.9215, 27.2992, 38.1909

Tritanomaly

20.9620, 28.6617, 40.9867

Monochromacy



Original Color

20.1752, 28.5973, 37.2574

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.9298, 22.9260, 27.8535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1752, 28.5973, 37.2574 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, 161, 159)` looks like.

```
.text, #text, p{  
    color:rgb(47, 161, 159)  
}
```

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, 161, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 161, 159) }
```

Border

The CSS property to change the border of an element to XYZ 20.1752, 28.5973, 37.2574 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, 161, 159) }
```


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

```
.border{ border-color:rgb(47, 161, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 161, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 161, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 161, 159);  
box-shadow:4px 4px 4px 4px rgb(47, 161,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1752, 28.5973, 37.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 161, 159) }
```

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

```
.background{ background-color: rgb(47, 161,  
159) }
```

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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