

Converting Colors

XYZ(19.8791, 28.0903, 37.4726)

Have a look what the booklet for
XYZ(19.8791, 28.0903, 37.4726)
contains.

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Color

**XYZ(19.9547, 28.2151,
37.6521)**

Conversions

Conversions Part 1

Format	Color
Hex	2CA0A0
RGB	44, 160, 160
RGB Percent	17%, 63%, 63%
CMY	0.8274, 0.3725, 0.3725
CMYK	0.72, 0.00, 0.00, 0.37
HSL	180°, 57%, 40%
HSV	180°, 72%, 63%
XYZ	19.9547, 28.2151, 37.6521
YIQ	125.3160, -69.1360, -24.5920

Conversions

Conversions Part 2

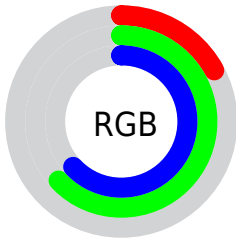
Format	Color
R_{YB}	44, 102, 160
Decimal	2924704
CIE _{Lab}	60.08, -30.77, -9.20
CIE _{LCh}	60, 32.119, 196.651
Yxy	28.2151, 0.2325, 0.3288
Android (android.graphics.Color)	4281114784 (0xFF2CA0A0)
YUV	125.3160, 17.0992, -71.3141
Hunter-Lab	53.1179, -25.8995, -4.8446

Details

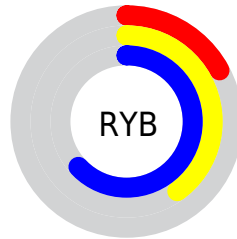
The XYZ color **19.9547, 28.2151, 37.6521** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.8535, 9.4578, 3.3738**, and the grayscale version is **19.5615, 20.5802, 22.4118**.

A 20% lighter version of the original color is **42.8729, 56.7584, 72.9858**, and **8.1229, 11.8293, 16.3232** is the 20% darker color. If you saturate the color by 10%, you get **19.3956, 27.9275, 37.6265**, and if you desaturate by 10%, it is **20.7805, 28.6414, 37.6914**.

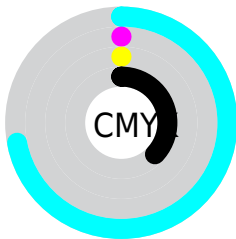
Distribution



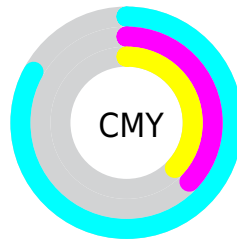
- Red (17%)
- Green (63%)
- Blue (63%)



- Red (17%)
- Yellow (40%)
- Blue (63%)



- Cyan (72%)
- Magenta (0%)
- Yellow (0%)
- Black (37%)



- Cyan (83%)
- Magenta (37%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9547, 28.2151, 37.6521 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 19.9547, 28.2151, 37.6521 by changing the saturation by 10% instead.

■ 19.9547, 28.2151,
37.6521

■ 19.9547, 28.2151,
37.6521

244.5080,
293.4933, 351.3785

■ 12.4702, 18.4879,
25.4131

■ 42.8457, 56.8277,
72.7721

■ 7.1392, 11.3008,
16.1632

■ 58.9830, 76.4818,
96.4901

■ 3.5964, 6.2695,
9.4841

■ 78.7352, 100.2137,
124.8715

■ 1.4765, 3.0097,
4.9572

■ 102.4677,
128.4077, 158.3349

■ 0.3097, 1.1368,
2.1639

■ 130.5459,
161.4483, 197.2987

■ 0.0000, 0.0091,
0.6534

163.3351,

■ 0.0000, 0.0000,

199.7199, 242.1816

0.0000

201.2007,
243.6067, 293.4020

■ 19.9547, 28.2151,
37.6521

■ 19.9547, 28.2151,
37.6521

■ 19.3956, 27.9275,
37.6265

■ 20.7805, 28.6414,
37.6914

■ 19.0682, 27.7587,
37.6111

■ 21.8977, 29.2174,
37.7438

■ 18.9164, 27.6805,
37.6040

■ 23.3311, 29.9563,
37.8109

■ 25.1020, 30.8693,
37.8939

■ 27.2301, 31.9663,
37.9935

■ 29.7335, 33.2569,
38.1107

■ 32.6289, 34.7495,
38.2463

■ 35.9322, 36.4524,
38.4010

■ 39.6583, 38.3733,
38.5754

Harmonies

Analogous

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



19.8583, 28.2151, 25.8004



19.9547, 28.2151, 37.6521



21.7643, 28.2151, 50.2268

Triad

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



19.9547, 28.2151, 37.6521



32.9653, 28.2151, 48.9612



28.6782, 28.2151, 13.5802

Complementary

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



19.9547, 28.2151, 37.6521



15.8535, 9.4578, 3.3738

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.



32.5982, 28.2151, 17.0598



19.9547, 28.2151, 37.6521



35.2380, 28.2151, 36.2315

Square

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



19.9547, 28.2151, 37.6521



29.1394, 28.2151, 57.8098



35.0972, 28.2151, 24.6982



24.6225, 28.2151, 13.7765

Rectangle

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



19.9547, 28.2151, 37.6521



23.8144, 28.2151, 56.4463



35.0972, 28.2151, 24.6982



30.0632, 28.2151, 14.3115

Sweetspot

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



19.9556, 28.2162, 37.6528



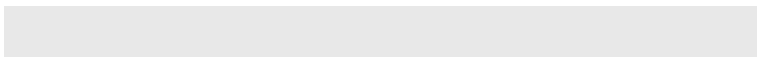
49.4703, 58.0553, 68.9847



14.1501, 25.9038, 6.6379



10.6228, 12.6155, 15.1187



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.



19.9556, 28.2162, 37.6528



34.8027, 50.4939, 68.2975



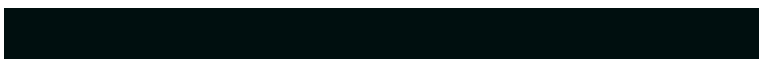
12.3286, 12.9621, 35.1109



6.8219, 7.5095, 8.4966



14.7352, 21.5620, 29.2920



0.2635, 0.3855, 0.5238

Inverse Universe

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



15.8535, 9.4578, 3.3738



26.9189, 14.4422, 2.4170



19.5166, 16.7840, 4.5947



6.6331, 6.6462, 6.9189



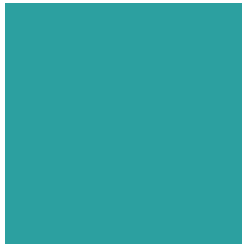
11.2931, 5.8218, 0.5285



0.2019, 0.1041, 0.0095

Previews

White Background



This preview shows how the XYZ color 19.9547, 28.2151, 37.6521 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 19.9547, 28.2151, 37.6521 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

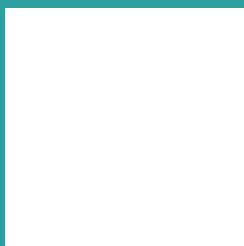
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9547, 28.2151, 37.6521

Background



This preview shows how black text looks on a background with the XYZ color 19.9547, 28.2151, 37.6521.

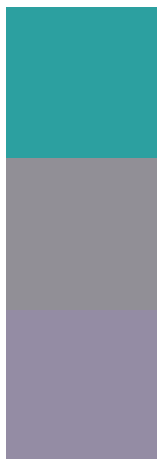


This preview shows how white text looks on a background with the XYZ color 19.9547, 28.2151,

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

19.9547, 28.2151, 37.6521

Protanopia

27.0045, 27.8667, 32.8097

Deuteranopia

28.2917, 27.7324, 38.9837



Tritanopia

20.9428, 28.0978, 42.8477

Trichromacy



Original Color

19.9547, 28.2151, 37.6521

Protanomaly

22.7645, 27.0161, 34.5867

Deuteranomaly

23.4750, 26.8268, 38.5912

Tritanomaly

20.5921, 28.2147, 40.9199

Monochromacy



Original Color

19.9547, 28.2151, 37.6521

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.4998, 22.4987, 27.4124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9547, 28.2151, 37.6521 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(44, 160, 160)` looks like.

```
.text, #text, p{  
    color:rgb(44, 160, 160)  
}
```

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(44, 160, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 160, 160) }
```

Border

The CSS property to change the border of an element to XYZ 19.9547, 28.2151, 37.6521 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(44, 160, 160) }
```


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

```
.border{ border-color:rgb(44, 160, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 160, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 160, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 160, 160);  
box-shadow:4px 4px 4px 4px rgb(44, 160,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9547, 28.2151, 37.6521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 160, 160) }
```

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

```
.background{ background-color: rgb(44, 160,  
160) }
```

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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