

Converting Colors

XYZ(17.9968, 21.6174, 45.8719)

Have a look what the booklet for
XYZ(17.9968, 21.6174, 45.8719)
contains.

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Color

**XYZ(17.9968, 21.6174,
45.8719)**

Conversions

Conversions Part 1

Format	Color
Hex	2989B3
RGB	41, 137, 179
RGB Percent	16%, 54%, 70%
CMY	0.8392, 0.4627, 0.2980
CMYK	0.77, 0.23, 0.00, 0.30
HSL	198°, 63%, 43%
HSV	198°, 77%, 70%
XYZ	17.9968, 21.6174, 45.8719
YIQ	113.0840, -70.6980, -7.2900

Conversions

Conversions Part 2

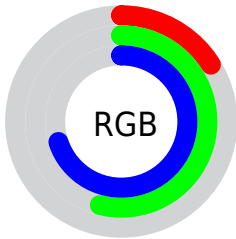
Format	Color
R_{YB}	41, 98, 179
Decimal	2722227
CIE _{Lab}	53.62, -12.97, -29.90
CIE _{LCh}	54, 32.589, 246.556
Yxy	21.6174, 0.2105, 0.2529
Android (android.graphics.Color)	4280912307 (0xFF2989B3)
YUV	113.0840, 32.4966, -63.2177
Hunter-Lab	46.4945, -12.2728, -25.9499

Details

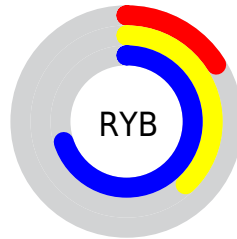
The XYZ color **17.9968, 21.6174, 45.8719** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.0851, 15.9320, 4.0100**, and the grayscale version is **15.6438, 16.4585, 17.9233**.

A 20% lighter version of the original color is **39.4723, 45.9509, 85.3863**, and **7.1741, 8.3227, 20.9670** is the 20% darker color. If you saturate the color by 10%, you get **16.6835, 19.8199, 45.5946**, and if you desaturate by 10%, it is **19.6752, 23.6619, 46.1785**.

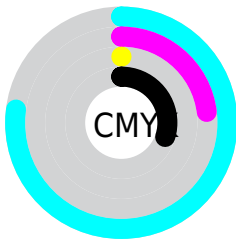
Distribution



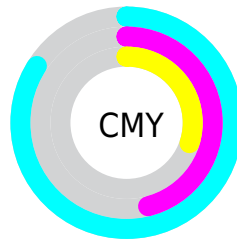
- Red (16%)
- Green (54%)
- Blue (70%)



- Red (16%)
- Yellow (38%)
- Blue (70%)



- Cyan (77%)
- Magenta (23%)
- Yellow (0%)
- Black (30%)



- Cyan (84%)
- Magenta (46%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9968, 21.6174, 45.8719 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 17.9968, 21.6174, 45.8719 by changing the saturation by 10% instead.

■ 17.9968, 21.6174,
45.8719

■ 17.9968, 21.6174,
45.8719

233.8989,
260.5417, 386.5560

■ 11.0474, 13.5760,
31.7968

■ 39.5620, 46.1128,
85.3595

■ 6.1662, 7.8264,
20.9428

■ 54.9085, 63.3357,
111.6091

■ 2.9880, 3.9841,
12.8914

■ 73.7847, 84.3878,
142.7540

■ 1.1474, 1.6647,
7.2239

■ 96.5559, 109.6536,
179.2126

■ 0.0643, 0.4006,
3.5220

■ 123.5876,
139.5176, 221.4036

■ 0.0000, 0.0000,
1.3669

155.2451,

■ 0.0000, 0.0000,

174.3639, 269.7455

0.1157

191.8938,
214.5772, 324.6568

■ 0.0000, 0.0000,
0.0000

■ 17.9968, 21.6174,
45.8719

■ 17.9968, 21.6174,
45.8719

■ 16.6835, 19.8199,
45.5946

■ 19.6752, 23.6619,
46.1785

■ 15.6763, 18.2370,
45.3422

■ 21.7560, 25.9725,
46.5148

■ 15.4097, 17.8006,
45.2720

■ 24.2741, 28.5681,
46.8831

■ 27.2597, 31.4652,
47.2850

■ 30.7402, 34.6788,
47.7218

■ 34.7408, 38.2226,
48.1950

■ 39.2850, 42.1094,
48.7057

■ 44.3946, 46.3512,
49.2551

■ 50.0904, 50.9594,
49.8444

Harmonies

Analogous

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



15.6248, 21.6174, 36.9026



17.9968, 21.6174, 45.8719



21.3205, 21.6174, 48.1833

Triad

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



17.9968, 21.6174, 45.8719



27.9405, 21.6174, 21.4159



16.8119, 21.6174, 11.2520

Complementary

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



17.9968, 21.6174, 45.8719



22.0851, 15.9320, 4.0100

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.



19.7918, 21.6174, 9.1667



17.9968, 21.6174, 45.8719



26.4067, 21.6174, 13.8658

Square

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



17.9968, 21.6174, 45.8719



27.3206, 21.6174, 32.0188



23.3267, 21.6174, 9.9661



14.9967, 21.6174, 16.7044

Rectangle

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



17.9968, 21.6174, 45.8719



23.6872, 21.6174, 45.1888



23.3267, 21.6174, 9.9661



17.6968, 21.6174, 10.2163

Sweetspot

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



17.9976, 21.6182, 45.8724



57.5949, 64.3867, 85.7735



18.5737, 33.3276, 13.5182



12.2151, 13.7761, 18.9375



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



17.9976, 21.6182, 45.8724



28.4934, 33.3472, 81.3161



11.1558, 7.9346, 43.5919



8.5200, 9.1862, 10.8304



10.9485, 12.6973, 32.0108



0.3930, 0.4966, 1.0234

Inverse Universe

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



23.8994, 12.9766, 24.9126



40.4005, 20.3086, 38.0434



30.1226, 32.0071, 6.6892



8.7377, 8.6018, 10.1170



15.7609, 7.8219, 14.4329



0.5204, 0.2559, 0.5831

Previews

White Background



This preview shows how the XYZ color 17.9968, 21.6174, 45.8719 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 17.9968, 21.6174, 45.8719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

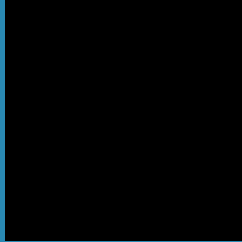
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.9968, 21.6174, 45.8719

Background



This preview shows how black text looks on a background with the XYZ color 17.9968, 21.6174, 45.8719.

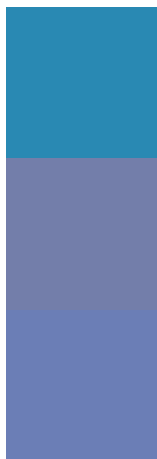


This preview shows how white text looks on a background with the XYZ color 17.9968, 21.6174,

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

17.9968, 21.6174, 45.8719

Protanopia

21.7868, 21.4688, 41.0258

Deuteranopia

21.9678, 21.4249, 47.2336



Tritanopia

15.4228, 21.6459, 33.5022

Trichromacy



Original Color

17.9968, 21.6174, 45.8719

Protanomaly

19.5500, 21.0571, 42.5692

Deuteranomaly

19.8904, 21.1405, 46.7482

Tritanomaly

16.0967, 21.4664, 37.4775

Monochromacy



Original Color

17.9968, 21.6174, 45.8719

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.4054, 17.7514, 26.2813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9968, 21.6174, 45.8719 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(41, 137, 179)` looks like.

```
.text, #text, p{  
    color:rgb(41, 137, 179)  
}
```

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(41, 137, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 137, 179) }
```

Border

The CSS property to change the border of an element to XYZ 17.9968, 21.6174, 45.8719 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(41, 137, 179) }
```


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

```
.border{ border-color:rgb(41, 137, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 137, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 137, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 137, 179);  
box-shadow:4px 4px 4px 4px rgb(41, 137,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9968, 21.6174, 45.8719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 137, 179) }
```

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

```
.background{ background-color: rgb(41, 137,  
179) }
```

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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