

Converting Colors

XYZ(17.9899, 21.9641, 30.0797)

Have a look what the booklet for
XYZ(17.9899, 21.9641, 30.0797)
contains.

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Color

**XYZ(17.9870, 21.9619,
30.0791)**

Conversions

Conversions Part 1

Format	Color
Hex	578991
RGB	87, 137, 145
RGB Percent	34%, 54%, 57%
CMY	0.6588, 0.4627, 0.4314
CMYK	0.40, 0.06, 0.00, 0.43
HSL	188°, 25%, 45%
HSV	188°, 40%, 57%
XYZ	17.9870, 21.9619, 30.0791
YIQ	122.9620, -32.3680, -8.1120

Conversions

Conversions Part 2

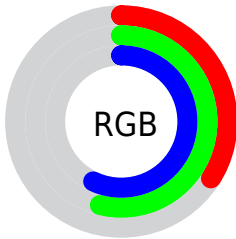
Format	Color
RYB	87, 114, 145
Decimal	5736849
CIELab	53.99, -14.60, -9.59
CIELCh	54, 17.471, 213.292
Yxy	21.9619, 0.2569, 0.3136
Android (android.graphics.Color)	4283926929 (0xFF578991)
YUV	122.9620, 10.8647, -31.5387
Hunter-Lab	46.8635, -13.4999, -5.2505

Details

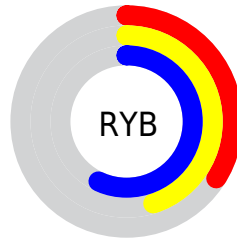
The XYZ color **17.9870, 21.9619, 30.0791** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.4900, 14.8926, 10.9702**, and the grayscale version is **18.7877, 19.7662, 21.5254**.

A 20% lighter version of the original color is **39.5375, 46.5259, 60.9294**, and **6.1669, 7.9999, 12.0456** is the 20% darker color. If you saturate the color by 10%, you get **16.4854, 20.7702, 29.9286**, and if you desaturate by 10%, it is **19.7672, 23.3060, 30.2451**.

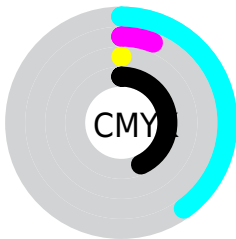
Distribution



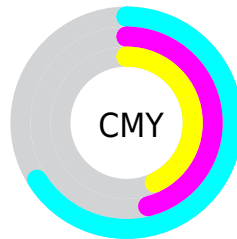
- Red (34%)
- Green (54%)
- Blue (57%)



- Red (34%)
- Yellow (45%)
- Blue (57%)



- Cyan (40%)
- Magenta (6%)
- Yellow (0%)
- Black (43%)



- Cyan (66%)
- Magenta (46%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9870, 21.9619, 30.0791 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 17.9870, 21.9619, 30.0791 by changing the saturation by 10% instead.

■ 17.9870, 21.9619,
30.0791

■ 17.9870, 21.9619,
30.0791

■ 233.8448,
262.3472, 316.4918

■ 11.0403, 13.8289,
19.6461

■ 39.5454, 46.6830,
60.8497

■ 6.1614, 8.0018,
11.9565

■ 54.8879, 64.0399,
82.0244

■ 2.9851, 4.0961,
6.5919

■ 73.7596, 85.2403,
107.6167

■ 1.1459, 1.7275,
3.1337

■ 96.5259, 110.6684,
138.0452

■ 0.0630, 0.4413,
1.1633

■ 123.5522,
140.7088, 173.7284

■ 0.0000, 0.0000,
0.0000

155.2039,

175.7458, 215.0849

191.8463,
216.1638, 262.5332

■ 17.9870, 21.9619,
30.0791

■ 17.9870, 21.9619,
30.0791

■ 16.4854, 20.7702,
29.9286

■ 19.7672, 23.3060,
30.2451

■ 15.2439, 19.7199,
29.7913

■ 21.8389, 24.8079,
30.4258

■ 14.2451, 18.8024,
29.6669

■ 24.2169, 26.4755,
30.6223

■ 13.4684, 18.0071,
29.5543

■ 26.9141, 28.3156,
30.8354

■ 12.8898, 17.3216,
29.4525

■ 29.9429, 30.3346,
31.0654

■ 12.4451, 16.7127,
29.3584

■ 33.3148, 32.5385,
31.3131

■ 12.4450, 16.7126,
29.3584

■ 37.0409, 34.9331,
31.5789

■ 41.1317, 37.5238,
31.8634

■ 45.5974, 40.3160,
32.1669

Harmonies

Analogous

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



17.4587, 21.9619, 24.5141



17.9870, 21.9619, 30.0791



19.2862, 21.9619, 34.4430

Triad

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



17.9870, 21.9619, 30.0791



24.2844, 21.9619, 28.8914



20.6666, 21.9619, 14.9700

Complementary

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



17.9870, 21.9619, 30.0791



17.4900, 14.8926, 10.9702

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.



22.5469, 21.9619, 15.7827



17.9870, 21.9619, 30.0791



24.7082, 21.9619, 23.3213

Square

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



17.9870, 21.9619, 30.0791



22.9288, 21.9619, 33.6879



24.0548, 21.9619, 18.6526



18.9460, 21.9619, 16.2391

Rectangle

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



17.9870, 21.9619, 30.0791



20.4533, 21.9619, 35.7827



24.0548, 21.9619, 18.6526



21.3006, 21.9619, 15.0095

Sweetspot

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



17.9877, 21.9628, 30.0796



42.3604, 46.7141, 54.7576



16.1099, 23.0989, 14.3731



9.3146, 10.3162, 12.1725



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



17.9877, 21.9628, 30.0796



29.7695, 37.3973, 53.6229



14.4326, 14.8527, 28.8946



5.4977, 5.9913, 6.8954



10.6883, 14.3626, 25.1860



0.1135, 0.1599, 0.2446

Inverse Universe

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



19.6012, 14.6429, 25.4611



33.1484, 22.6819, 43.8136



20.5721, 21.0569, 11.9976



5.5947, 5.4984, 6.6298



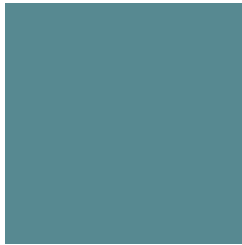
13.1981, 6.4362, 17.2262



0.1319, 0.0638, 0.1947

Previews

White Background



This preview shows how the XYZ color 17.9870, 21.9619, 30.0791 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 17.9870, 21.9619, 30.0791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

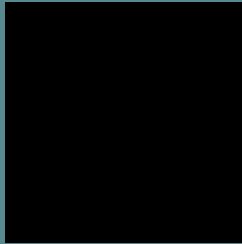
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.9870, 21.9619, 30.0791

Background



This preview shows how black text looks on a background with the XYZ color 17.9870, 21.9619, 30.0791.



This preview shows how white text looks on a background with the XYZ color 17.9870, 21.9619,

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

17.9870, 21.9619, 30.0791

Protanopia

21.2815, 21.8916, 27.5299

Deuteranopia

22.1158, 21.6793, 30.6227



Tritanopia

18.3155, 22.1041, 31.3182

Trichromacy



Original Color

17.9870, 21.9619, 30.0791

Protanomaly

19.7341, 21.6664, 28.3412

Deuteranomaly

20.2410, 21.4888, 30.2751

Tritanomaly

18.2366, 22.0726, 30.9030

Monochromacy



Original Color

17.9870, 21.9619, 30.0791

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.2463, 20.3920, 24.4471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9870, 21.9619, 30.0791 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(87, 137, 145)` looks like.

```
.text, #text, p{  
  color:rgb(87, 137, 145)  
}
```

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(87, 137, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 137, 145) }
```

Border

The CSS property to change the border of an element to XYZ 17.9870, 21.9619, 30.0791 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(87, 137, 145) }
```


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

```
.border{ border-color:rgb(87, 137, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 137, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 137, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 137, 145);  
box-shadow:4px 4px 4px 4px rgb(87, 137,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9870, 21.9619, 30.0791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 137, 145) }
```

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

```
.background{ background-color: rgb(87, 137,  
145) }
```

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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