

Converting Colors

XYZ(16.8690, 20.9772, 28.0380)

Have a look what the booklet for
XYZ(16.8690, 20.9772, 28.0380)
contains.

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Color

**XYZ(16.8773, 21.0152,
27.9778)**

Conversions

Conversions Part 1

Format	Color
Hex	52878C
RGB	82, 135, 140
RGB Percent	32%, 53%, 55%
CMY	0.6784, 0.4706, 0.4510
CMYK	0.41, 0.04, 0.00, 0.45
HSL	185°, 26%, 44%
HSV	185°, 41%, 55%
XYZ	16.8773, 21.0152, 27.9778
YIQ	119.7230, -33.1930, -9.6810

Conversions

Conversions Part 2

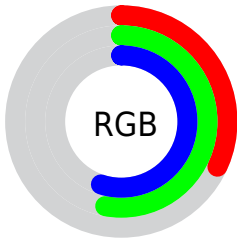
Format	Color
R_{YB}	82, 110, 140
Decimal	5408652
CIE _{Lab}	52.97, -16.23, -8.24
CIE _{LCh}	53, 18.207, 206.918
Yxy	21.0152, 0.2562, 0.3190
Android (android.graphics.Color)	4283598732 (0xFF52878C)
YUV	119.7230, 9.9966, -33.0831
Hunter-Lab	45.8423, -14.5076, -4.0953

Details

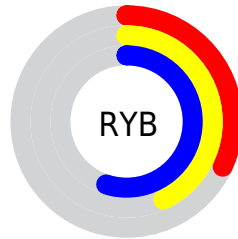
The XYZ color **16.8773, 21.0152, 27.9778** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.7469, 13.0015, 9.6629**, and the grayscale version is **17.7414, 18.6654, 20.3266**.

A 20% lighter version of the original color is **37.7125, 45.0124, 57.7395**, and **5.6007, 7.4964, 10.8246** is the 20% darker color. If you saturate the color by 10%, you get **15.6147, 20.1163, 27.8712**, and if you desaturate by 10%, it is **18.3915, 22.0477, 28.0976**.

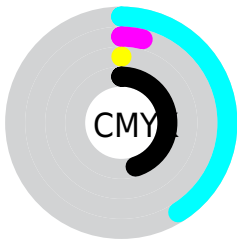
Distribution



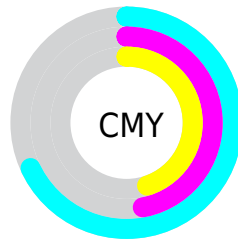
- Red (32%)
- Green (53%)
- Blue (55%)



- Red (32%)
- Yellow (43%)
- Blue (55%)



- Cyan (41%)
- Magenta (4%)
- Yellow (0%)
- Black (45%)



- Cyan (68%)
- Magenta (47%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8773, 21.0152, 27.9778 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 16.8773, 21.0152, 27.9778 by changing the saturation by 10% instead.

■ 16.8773, 21.0152,
27.9778

■ 16.8773, 21.0152,
27.9778

227.6344,
257.3593, 306.2694

■ 10.2418, 13.1351,
18.0700

■ 37.6600, 45.1128,
57.4717

■ 5.6231, 7.5217,
10.8303

■ 52.5379, 62.0992,
77.8949

■ 2.6557, 3.7904,
5.8401

■ 70.8939, 82.8897,
102.6603

■ 0.9744, 1.5570,
2.6809

■ 93.0935, 107.8688,
132.1864

■ 0.0000, 0.3284,
0.9338

■ 119.5020,
137.4210, 166.8919

■ 0.0000, 0.0000,
0.0000

150.4847,

171.9305, 207.1952

186.4071,
211.7818, 253.5148

■ 16.8773, 21.0152,
27.9778

■ 16.8773, 21.0152,
27.9778

■ 15.6147, 20.1163,
27.8712

■ 18.3915, 22.0477,
28.0976

■ 14.5865, 19.3405,
27.7757

■ 20.1694, 23.2184,
28.2299

■ 13.7766, 18.6801,
27.6909

■ 22.2244, 24.5348,
28.3757

■ 13.1658, 18.1251,
27.6159

■ 24.5686, 26.0033,
28.5356

■ 12.7315, 17.6640,
27.5498

■ 27.2134, 27.6295,
28.7101

■ 12.4443, 17.3147,
27.4975

■ 30.1695, 29.4190,
28.8997

■ 33.4470, 31.3772,
29.1049

■ 37.0557, 33.5090,
29.3262

■ 41.0049, 35.8193,
29.5640

Harmonies

Analogous

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



16.5291, 21.0152, 22.3214



16.8773, 21.0152, 27.9778



18.0372, 21.0152, 32.8671

Triad

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



16.8773, 21.0152, 27.9778



23.2100, 21.0152, 29.1122



20.1723, 21.0152, 13.9093

Complementary

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



16.8773, 21.0152, 27.9778



15.7469, 13.0015, 9.6629

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.



22.0453, 21.0152, 15.1566



16.8773, 21.0152, 27.9778



23.8678, 21.0152, 23.4519

Square

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



16.8773, 21.0152, 27.9778



21.6823, 21.0152, 33.5919



23.4288, 21.0152, 18.4458



18.3585, 21.0152, 14.7312

Rectangle

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



16.8773, 21.0152, 27.9778



19.1550, 21.0152, 34.7229



23.4288, 21.0152, 18.4458



20.8166, 21.0152, 14.0949

Sweetspot

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



16.8779, 21.0160, 27.9783



38.8637, 43.0537, 50.0048



14.5718, 21.2359, 12.3127



8.8580, 9.8589, 11.5155



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.8779, 21.0160, 27.9783



27.6044, 35.5205, 49.1442



13.3851, 14.0304, 26.8140



5.1366, 5.6162, 6.4191



11.0642, 15.3988, 24.4348



0.0785, 0.1123, 0.1640

Inverse Universe

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



18.2063, 13.3599, 24.5416



30.3352, 20.2577, 41.9722



18.5649, 18.6376, 10.6022



5.2156, 5.1217, 6.2237



13.0715, 6.3387, 18.6788



0.0894, 0.0431, 0.1374

Previews

White Background



This preview shows how the XYZ color 16.8773, 21.0152, 27.9778 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 16.8773, 21.0152, 27.9778 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

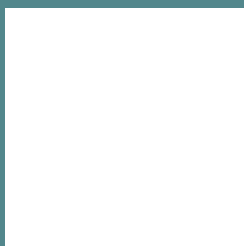
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8773, 21.0152, 27.9778

Background



This preview shows how black text looks on a background with the XYZ color 16.8773, 21.0152, 27.9778.

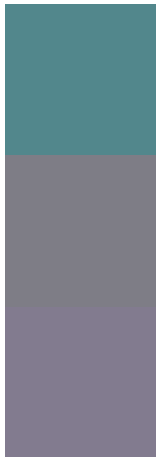


This preview shows how white text looks on a background with the XYZ color 16.8773, 21.0152,

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

16.8773, 21.0152, 27.9778

Protanopia

20.2409, 20.8241, 25.5069

Deuteranopia

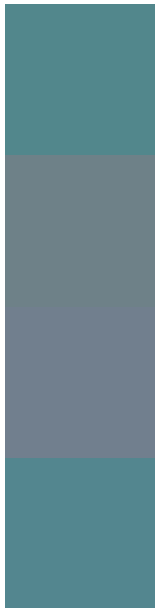
21.2468, 20.8949, 28.8999



Tritanopia

17.2032, 20.9335, 29.9219

Trichromacy



Original Color

16.8773, 21.0152, 27.9778

Protanomaly

18.7246, 20.7931, 26.3191

Deuteranomaly

19.2819, 20.6424, 28.5593

Tritanomaly

17.0503, 20.8724, 29.1167

Monochromacy



Original Color

16.8773, 21.0152, 27.9778

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.1082, 19.2637, 22.8952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8773, 21.0152, 27.9778 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(82, 135, 140)` looks like.

```
.text, #text, p{  
    color:rgb(82, 135, 140)  
}
```

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(82, 135, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 135, 140) }
```

Border

The CSS property to change the border of an element to XYZ 16.8773, 21.0152, 27.9778 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(82, 135, 140) }
```


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

```
.border{ border-color:rgb(82, 135, 140) }
```

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

Here you see how a box with a 4 pixel rgb(82, 135, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 135, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 135, 140);  
box-shadow:4px 4px 4px 4px rgb(82, 135,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8773, 21.0152, 27.9778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 135, 140) }
```

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

```
.background{ background-color: rgb(82, 135,  
140) }
```

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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