

Converting Colors

XYZ(16.5886, 20.4475, 28.2717)

Have a look what the booklet for
XYZ(16.5886, 20.4475, 28.2717)
contains.

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Color

**XYZ(16.5886, 20.4475,
28.2717)**

Conversions

Conversions Part 1

Format	Color
Hex	51858D
RGB	81, 133, 141
RGB Percent	32%, 52%, 55%
CMY	0.6823, 0.4784, 0.4471
CMYK	0.43, 0.06, 0.00, 0.45
HSL	188°, 27%, 44%
HSV	188°, 43%, 55%
XYZ	16.5886, 20.4475, 28.2717
YIQ	118.3640, -33.5600, -8.5360

Conversions

Conversions Part 2

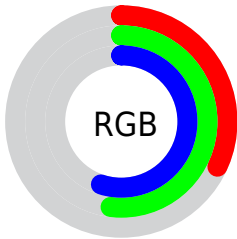
Format	Color
R _Y B	81, 109, 141
Decimal	5342605
CIE Lab	52.34, -15.14, -9.77
CIE LCh	52, 18.021, 212.817
Yxy	20.4475, 0.2540, 0.3131
Android (android.graphics.Color)	4283532685 (0xFF51858D)
YUV	118.3640, 11.1595, -32.7682
Hunter-Lab	45.2189, -13.6502, -5.4160

Details

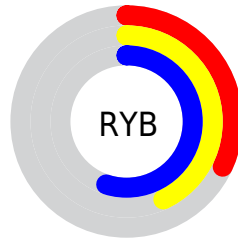
The XYZ color **16.5886, 20.4475, 28.2717** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.0424, 13.4019, 9.5264**, and the grayscale version is **17.3082, 18.2096, 19.8302**.

A 20% lighter version of the original color is **37.2407, 44.1263, 58.1842**, and **5.4605, 7.1887, 10.9973** is the 20% darker color. If you saturate the color by 10%, you get **15.2487, 19.3786, 28.1364**, and if you desaturate by 10%, it is **18.1853, 21.6566, 28.4213**.

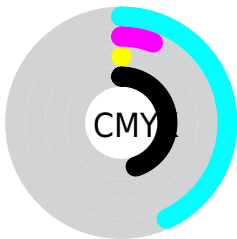
Distribution



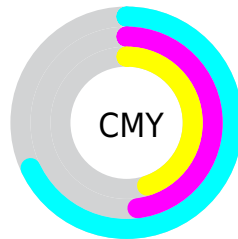
- Red (32%)
- Green (52%)
- Blue (55%)



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



- Cyan (43%)
- Magenta (6%)
- Yellow (0%)
- Black (45%)



- Cyan (68%)
- Magenta (48%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5886, 20.4475, 28.2717 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 16.5886, 20.4475, 28.2717 by changing the saturation by 10% instead.

■ 16.5886, 20.4475,
28.2717

■ 16.5886, 20.4475,
28.2717

■ 225.9931,
254.3275, 307.7156

■ 10.0351, 12.7208,
18.2897

■ 37.1663, 44.1662,
57.9462

■ 5.4847, 7.2365,
10.9866

■ 51.9212, 60.9269,
78.4759

■ 2.5720, 3.6105,
5.9438

■ 70.1407, 81.4678,
103.3586

■ 0.9317, 1.4581,
2.7427

■ 92.1900, 106.1731,
133.0128

■ 0.0000, 0.2590,
0.9648

■ 118.4345,
135.4274, 167.8570

■ 0.0000, 0.0000,
0.0000

149.2397,

169.6149, 208.3099

184.9707,
209.1202, 254.7899

■ 16.5886, 20.4475,
28.2717

■ 16.5886, 20.4475,
28.2717

■ 15.2487, 19.3786,
28.1364

■ 18.1853, 21.6566,
28.4213

■ 14.1479, 18.4393,
28.0131

■ 20.0513, 23.0109,
28.5843

■ 13.2697, 17.6215,
27.9015

■ 22.2004, 24.5180,
28.7620

■ 12.5940, 16.9148,
27.8007

■ 24.6449, 26.1845,
28.9548

■ 12.0974, 16.3072,
27.7096

■ 27.3966, 28.0162,
29.1633

■ 11.7924, 15.8923,
27.6456

■ 30.4664, 30.0189,
29.3881

■ 33.8648, 32.1980,
29.6296

■ 37.6016, 34.5588,
29.8883

■ 41.6866, 37.1061,
30.1647

Harmonies

Analogous

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



16.0854, 20.4475, 22.7697



16.5886, 20.4475, 28.2717



17.8504, 20.4475, 32.6432

Triad

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



16.5886, 20.4475, 28.2717



22.7835, 20.4475, 27.2641



19.2599, 20.4475, 13.5402

Complementary

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



16.5886, 20.4475, 28.2717



16.0424, 13.4019, 9.5264

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.



21.1102, 20.4475, 14.3571



16.5886, 20.4475, 28.2717



23.2194, 20.4475, 21.7655

Square

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



16.5886, 20.4475, 28.2717



21.4326, 20.4475, 31.9995



22.5891, 20.4475, 17.1738



17.5650, 20.4475, 14.7351

Rectangle

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



16.5886, 20.4475, 28.2717



18.9922, 20.4475, 34.0146



22.5891, 20.4475, 17.1738



19.8841, 20.4475, 13.5889

Sweetspot

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



16.5892, 20.4483, 28.2722



39.4593, 43.7015, 51.4834



14.6801, 21.5041, 12.6100



8.6355, 9.6373, 11.4845



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.



16.5892, 20.4483, 28.2722



27.4079, 34.7860, 50.3977



13.1519, 13.5736, 27.1264



5.4998, 5.9954, 6.8961



10.7606, 14.5071, 25.2101



0.1139, 0.1607, 0.2447

Inverse Universe

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



18.1611, 13.2416, 23.7899



30.6865, 20.3920, 40.9055



18.9486, 19.2141, 10.4951



5.5958, 5.4988, 6.6353



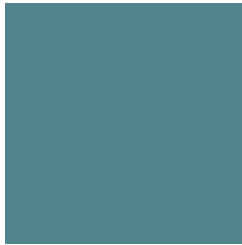
13.2346, 6.4508, 17.4183



0.1321, 0.0639, 0.1958

Previews

White Background



This preview shows how the XYZ color 16.5886, 20.4475, 28.2717 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 16.5886, 20.4475, 28.2717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

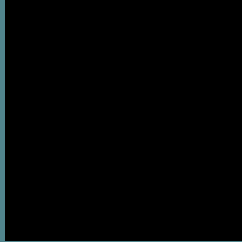
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.5886, 20.4475, 28.2717

Background



This preview shows how black text looks on a background with the XYZ color 16.5886, 20.4475, 28.2717.



This preview shows how white text looks on a background with the XYZ color 16.5886, 20.4475,

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

16.5886, 20.4475, 28.2717

Protanopia

19.7492, 20.3755, 25.8136

Deuteranopia

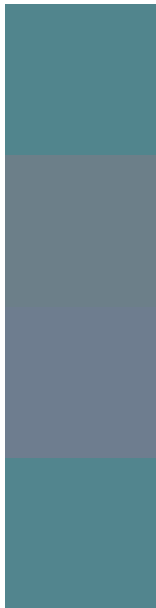
20.6238, 20.2004, 29.1976



Tritanopia

16.8251, 20.5521, 29.0668

Trichromacy



Original Color

16.5886, 20.4475, 28.2717

Protanomaly

18.2891, 20.1730, 26.5968

Deuteranomaly

18.7219, 19.9654, 28.8536

Tritanomaly

16.7497, 20.5219, 28.6695

Monochromacy



Original Color

16.5886, 20.4475, 28.2717

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.6746, 18.6755, 22.4646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5886, 20.4475, 28.2717 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(81, 133, 141)` looks like.

```
.text, #text, p{  
    color:rgb(81, 133, 141)  
}
```

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(81, 133, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 133, 141) }
```

Border

The CSS property to change the border of an element to XYZ 16.5886, 20.4475, 28.2717 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(81, 133, 141) }
```


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

```
.border{ border-color:rgb(81, 133, 141) }
```

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

Here you see how a box with a 4 pixel rgb(81, 133, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 133, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 133, 141);  
box-shadow:4px 4px 4px 4px rgb(81, 133,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5886, 20.4475, 28.2717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 133, 141) }
```

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

```
.background{ background-color: rgb(81, 133,  
141) }
```

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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