

Converting Colors

XYZ(16.2235, 21.1807, 28.1952)

Have a look what the booklet for
XYZ(16.2235, 21.1807, 28.1952)
contains.

XYZ(16.1335, 21.0500, 28.0237)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.1335, 21.0500,
28.0237)**

Conversions

Conversions Part 1

Format	Color
Hex	45898C
RGB	69, 137, 140
RGB Percent	27%, 54%, 55%
CMY	0.7294, 0.4627, 0.4510
CMYK	0.51, 0.02, 0.00, 0.45
HSL	183°, 34%, 41%
HSV	183°, 51%, 55%
XYZ	16.1335, 21.0500, 28.0237
YIQ	117.0100, -41.4910, -13.4830

Conversions

Conversions Part 2

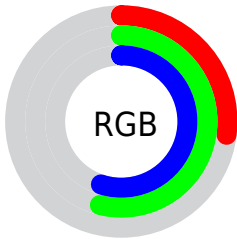
Format	Color
RYB	69, 104, 140
Decimal	4557196
CIELab	53.00, -20.59, -8.25
CIELCh	53, 22.179, 201.827
Yxy	21.0500, 0.2474, 0.3228
Android (android.graphics.Color)	4282747276 (0xFF45898C)
YUV	117.0100, 11.3341, -42.1048
Hunter-Lab	45.8803, -17.5221, -4.0982

Details

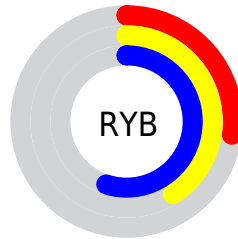
The XYZ color **16.1335, 21.0500, 28.0237** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.2071, 10.6401, 6.9356**, and the grayscale version is **16.8873, 17.7668, 19.3480**.

A 20% lighter version of the original color is **36.5368, 45.3676, 57.8701**, and **5.2787, 7.5675, 10.8553** is the 20% darker color. If you saturate the color by 10%, you get **15.1716, 20.4302, 27.9551**, and if you desaturate by 10%, it is **17.3315, 21.7932, 28.1044**.

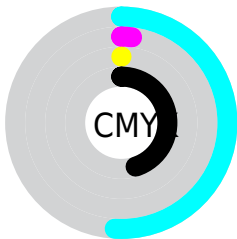
Distribution



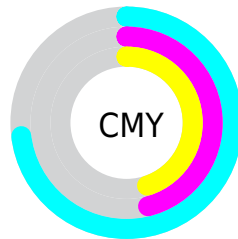
- Red (27%)
- Green (54%)
- Blue (55%)



- Red (27%)
- Yellow (41%)
- Blue (55%)



- Cyan (51%)
- Magenta (2%)
- Yellow (0%)
- Black (45%)



- Cyan (73%)
- Magenta (46%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1335, 21.0500, 28.0237 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 16.1335, 21.0500, 28.0237 by changing the saturation by 10% instead.

■ 16.1335, 21.0500,
28.0237

■ 16.1335, 21.0500,
28.0237

223.3831,
257.5441, 306.4956

■ 9.7101, 13.1606,
18.1043

■ 36.3854, 45.1707,
57.5458

■ 5.2680, 7.5392,
10.8547

■ 50.9446, 62.1708,
77.9857

■ 2.4417, 3.8015,
5.8563

■ 68.9465, 82.9766,
102.7694

■ 0.8660, 1.5632,
2.6905

■ 90.7564, 107.9724,
132.3156

■ 0.0000, 0.3326,
0.9386

■ 116.7396,
137.5426, 167.0428

■ 0.0000, 0.0000,
0.0000

147.2616,

172.0717, 207.3695

182.6876,
211.9441, 253.7143

■ 16.1335, 21.0500,
28.0237

■ 16.1335, 21.0500,
28.0237

■ 15.1716, 20.4302,
27.9551

■ 17.3315, 21.7932,
28.1044

■ 14.4271, 19.9226,
27.8964

■ 18.7788, 22.6651,
28.1964

■ 13.8817, 19.5184,
27.8471

■ 20.4899, 23.6737,
28.3009

■ 13.5132, 19.2060,
27.8062

■ 22.4775, 24.8255,
28.4185

■ 13.2710, 18.9681,
27.7731

■ 24.7537, 26.1269,
28.5497

■ 27.3298, 27.5834,
28.6950

■ 30.2165, 29.2008,
28.8551

■ 33.4238, 30.9842,
29.0303

■ 36.9615, 32.9386,
29.2210

Harmonies

Analogous

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



15.8961, 21.0500, 21.1455



16.1335, 21.0500, 28.0237



17.3667, 21.0500, 34.5458

Triad

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



16.1335, 21.0500, 28.0237



23.7363, 21.0500, 31.7898



20.6504, 21.0500, 12.4292

Complementary

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



16.1335, 21.0500, 28.0237



14.2071, 10.6401, 6.9356

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.



22.9030, 21.0500, 14.2476



16.1335, 21.0500, 28.0237



24.7727, 21.0500, 24.7908

Square

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



16.1335, 21.0500, 28.0237



21.7181, 21.0500, 36.9971



24.4565, 21.0500, 18.4767



18.3890, 21.0500, 12.9611

Rectangle

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



16.1335, 21.0500, 28.0237



18.6437, 21.0500, 37.3831



24.4565, 21.0500, 18.4767



21.4360, 21.0500, 12.7709

Sweetspot

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



16.1341, 21.0508, 28.0242



37.9533, 42.8011, 50.0041



12.9819, 20.4815, 9.2926



8.5961, 9.7759, 11.5133



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.



16.1341, 21.0508, 28.0242



26.5167, 35.8653, 49.2681



11.9528, 12.6881, 26.6304



5.1550, 5.6530, 6.4253



11.7954, 16.8611, 24.6785



0.0810, 0.1172, 0.1648

Inverse Universe

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



17.4592, 11.6383, 24.9941



29.1710, 17.4366, 43.1028



17.1336, 16.4932, 7.9111



5.2249, 5.1254, 6.2727



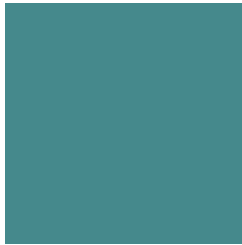
13.4406, 6.4863, 20.6222



0.0906, 0.0436, 0.1439

Previews

White Background



This preview shows how the XYZ color 16.1335, 21.0500, 28.0237 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 16.1335, 21.0500, 28.0237 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 16.1335, 21.0500, 28.0237

Background



This preview shows how black text looks on a background with the XYZ color 16.1335, 21.0500, 28.0237.



This preview shows how white text looks on a background with the XYZ color 16.1335, 21.0500,

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

16.1335, 21.0500, 28.0237

Protanopia

20.1714, 20.7963, 25.1412

Deuteranopia

21.2468, 20.8949, 28.8999



Tritanopia

16.6692, 21.0545, 30.7891

Trichromacy



Original Color

16.1335, 21.0500, 28.0237

Protanomaly

18.1199, 20.4813, 26.2908

Deuteranomaly

18.7860, 20.5795, 28.5733

Tritanomaly

16.3640, 20.9240, 29.5618

Monochromacy



Original Color

16.1335, 21.0500, 28.0237

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.1649, 18.6053, 22.1412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1335, 21.0500, 28.0237 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(69, 137, 140)` looks like.

```
.text, #text, p{  
    color:rgb(69, 137, 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(69, 137, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 137, 140) }
```

Border

The CSS property to change the border of an element to XYZ 16.1335, 21.0500, 28.0237 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(69, 137, 140) }
```


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

```
.border{ border-color:rgb(69, 137, 140) }
```

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

Here you see how a box with a 4 pixel rgb(69, 137, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 137, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 137, 140);  
box-shadow:4px 4px 4px 4px rgb(69, 137,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1335, 21.0500, 28.0237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 137, 140) }
```

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

```
.background{ background-color: rgb(69, 137,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor