

Converting Colors

XYZ(17.5810, 21.6329, 35.8324)

Have a look what the booklet for
XYZ(17.5810, 21.6329, 35.8324)
contains.

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Color

**XYZ(17.5876, 21.6235,
36.0477)**

Conversions

Conversions Part 1

Format	Color
Hex	44899F
RGB	68, 137, 159
RGB Percent	27%, 54%, 62%
CMY	0.7333, 0.4627, 0.3765
CMYK	0.57, 0.14, 0.00, 0.38
HSL	195°, 40%, 45%
HSV	195°, 57%, 62%
XYZ	17.5876, 21.6235, 36.0477
YIQ	118.8770, -48.1860, -7.7860

Conversions

Conversions Part 2

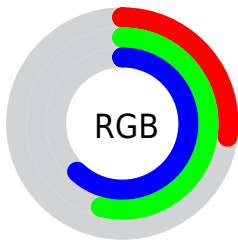
Format	Color
R _{YB}	68, 107, 159
Decimal	4491679
CIE _{Lab}	53.63, -15.19, -18.31
CIE _{LCh}	54, 23.792, 230.333
Yxy	21.6235, 0.2337, 0.2873
Android (android.graphics.Color)	4282681759 (0xFF44899F)
YUV	118.8770, 19.7806, -44.6191
Hunter-Lab	46.5011, -13.8648, -13.4109

Details

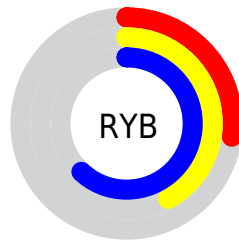
The XYZ color **17.5876, 21.6235, 36.0477** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.9983, 15.1014, 7.3831**, and the grayscale version is **17.4468, 18.3554, 19.9890**.

A 20% lighter version of the original color is **38.8632, 45.9670, 70.4425**, and **6.1150, 7.8991, 15.3897** is the 20% darker color. If you saturate the color by 10%, you get **16.0889, 20.0545, 35.8242**, and if you desaturate by 10%, it is **19.4079, 23.3881, 36.2928**.

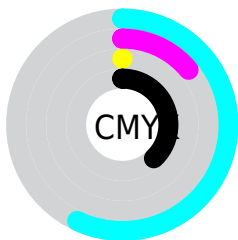
Distribution



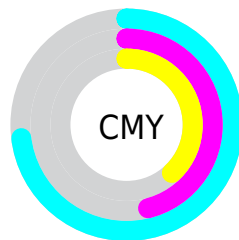
- Red (27%)
- Green (54%)
- Blue (62%)



- Red (27%)
- Yellow (42%)
- Blue (62%)



- Cyan (57%)
- Magenta (14%)
- Yellow (0%)
- Black (38%)



- Cyan (73%)
- Magenta (46%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5876, 21.6235, 36.0477 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 17.5876, 21.6235, 36.0477 by changing the saturation by 10% instead.

■ 17.5876, 21.6235,
36.0477

■ 17.5876, 21.6235,
36.0477

231.6270,
260.5737, 344.2127

■ 10.7522, 13.5805,
24.1811

■ 38.8690, 46.1229,
70.2756

■ 5.9665, 7.8295,
15.2545

■ 54.0456, 63.3482,
93.4738

■ 2.8652, 3.9860,
8.8496

■ 72.7334, 84.4029,
121.2864

■ 1.0829, 1.6658,
4.5478

■ 95.2977, 109.6717,
154.1319

■ 0.0107, 0.4013,
1.9304

■ 122.1039,
139.5387, 192.4286

■ 0.0000, 0.0000,
0.5120

153.5172,

■ 0.0000, 0.0000,

174.3885, 236.5954

0.0000

189.9032,
214.6053, 287.0505

■ 17.5876, 21.6235,
36.0477

■ 17.5876, 21.6235,
36.0477

■ 16.0889, 20.0545,
35.8242

■ 19.4079, 23.3881,
36.2928

■ 14.8845, 18.6655,
35.6196

■ 21.5702, 25.3577,
36.5590

■ 13.9461, 17.4418,
35.4329

■ 24.0953, 27.5438,
36.8478

■ 13.2270, 16.3592,
35.2618

■ 27.0018, 29.9563,
37.1603

■ 13.0423, 16.0717,
35.2161

■ 30.3072, 32.6045,
37.4973

■ 34.0277, 35.4970,
37.8595

■ 38.1785, 38.6420,
38.2477

■ 42.7741, 42.0471,
38.6628

■ 47.8283, 45.7198,
39.1053

Harmonies

Analogous

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



16.3014, 21.6235, 28.7512



17.5876, 21.6235, 36.0477



19.7426, 21.6235, 40.2161

Triad

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



17.5876, 21.6235, 36.0477



25.7574, 21.6235, 25.9741



18.9004, 21.6235, 12.7061

Complementary

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



17.5876, 21.6235, 36.0477



18.9983, 15.1014, 7.3831

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.



21.3843, 21.6235, 12.2649



17.5876, 21.6235, 36.0477



25.4850, 21.6235, 19.0074

Square

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



17.5876, 21.6235, 36.0477



24.5494, 21.6235, 33.6582



23.8332, 21.6235, 14.3289



17.0148, 21.6235, 15.6913

Rectangle

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



17.5876, 21.6235, 36.0477



21.4418, 21.6235, 40.1758



23.8332, 21.6235, 14.3289



19.6881, 21.6235, 12.2832

Sweetspot

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



17.5883, 21.6243, 36.0482



48.3054, 53.6062, 66.5445



16.5957, 26.7510, 13.7923



10.6596, 11.8967, 14.9781



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.5883, 21.6243, 36.0482



28.0945, 35.1154, 64.0407



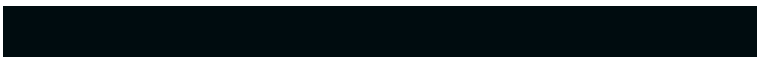
12.4929, 11.4336, 34.3498



6.6859, 7.2375, 8.4513



10.3347, 12.7609, 27.8256



0.2151, 0.2887, 0.5076

Inverse Universe

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



20.8812, 13.3121, 25.1367



34.8972, 19.8531, 41.0705



23.9689, 25.0426, 9.0400



6.8355, 6.7271, 7.9851



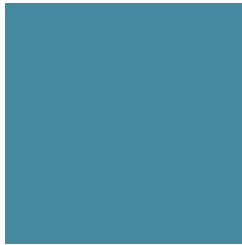
14.0147, 6.9104, 14.8601



0.2659, 0.1297, 0.3462

Previews

White Background



This preview shows how the XYZ color 17.5876, 21.6235, 36.0477 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 17.5876, 21.6235, 36.0477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

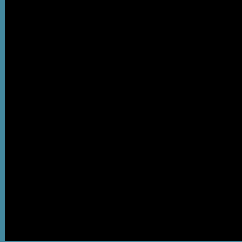
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.5876, 21.6235, 36.0477

Background



This preview shows how black text looks on a background with the XYZ color 17.5876, 21.6235, 36.0477.



This preview shows how white text looks on a background with the XYZ color 17.5876, 21.6235,

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

17.5876, 21.6235, 36.0477

Protanopia

21.1544, 21.3263, 32.7072

Deuteranopia

21.8812, 21.4134, 37.1624



Tritanopia

16.8520, 21.7572, 32.1655

Trichromacy



Original Color

17.5876, 21.6235, 36.0477

Protanomaly

19.3785, 21.1566, 34.0726

Deuteranomaly

19.7628, 21.0985, 36.7490

Tritanomaly

17.0182, 21.6007, 33.4094

Monochromacy



Original Color

17.5876, 21.6235, 36.0477

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.0195, 19.3523, 25.3926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5876, 21.6235, 36.0477 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(68, 137, 159)` looks like.

```
.text, #text, p{  
    color:rgb(68, 137, 159)  
}
```

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(68, 137, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 137, 159) }
```

Border

The CSS property to change the border of an element to XYZ 17.5876, 21.6235, 36.0477 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(68, 137, 159) }
```


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

```
.border{ border-color:rgb(68, 137, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 137, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 137, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 137, 159);  
box-shadow:4px 4px 4px 4px rgb(68, 137,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5876, 21.6235, 36.0477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 137, 159) }
```

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

```
.background{ background-color: rgb(68, 137,  
159) }
```

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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