

Converting Colors

XYZ(17.7926, 21.2172, 46.3382)

Have a look what the booklet for
XYZ(17.7926, 21.2172, 46.3382)
contains.

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Color

**XYZ(17.8417, 21.3157,
46.3540)**

Conversions

Conversions Part 1

Format	Color
Hex	2688B4
RGB	38, 136, 180
RGB Percent	15%, 53%, 71%
CMY	0.8509, 0.4667, 0.2941
CMYK	0.79, 0.24, 0.00, 0.29
HSL	199°, 65%, 43%
HSV	199°, 79%, 71%
XYZ	17.8417, 21.3157, 46.3540
YIQ	111.7140, -72.5320, -7.0920

Conversions

Conversions Part 2

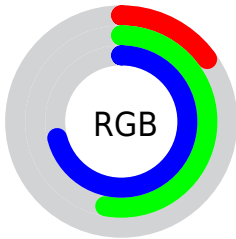
Format	Color
R_{YB}	38, 96, 180
Decimal	2525364
CIE _{Lab}	53.29, -12.39, -30.98
CIE _{LCh}	53, 33.369, 248.203
Yxy	21.3157, 0.2086, 0.2493
Android (android.graphics.Color)	4280715444 (0xFF2688B4)
YUV	111.7140, 33.6650, -64.6472
Hunter-Lab	46.1689, -11.8154, -27.2094

Details

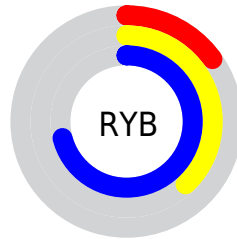
The XYZ color **17.8417, 21.3157, 46.3540** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.1906, 15.8795, 3.7301**, and the grayscale version is **15.2385, 16.0320, 17.4589**.

A 20% lighter version of the original color is **39.2818, 45.5155, 86.0719**, and **7.1586, 8.1879, 21.2818** is the 20% darker color. If you saturate the color by 10%, you get **16.5662, 19.5225, 46.0755**, and if you desaturate by 10%, it is **19.4804, 23.3575, 46.6622**.

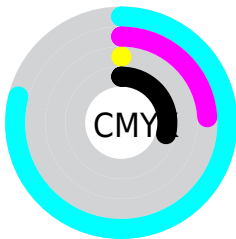
Distribution



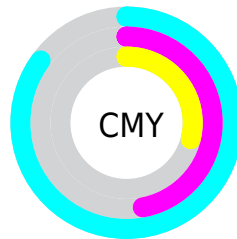
- Red (15%)
- Green (53%)
- Blue (71%)



- Red (15%)
- Yellow (38%)
- Blue (71%)



- Cyan (79%)
- Magenta (24%)
- Yellow (0%)
- Black (29%)



- Cyan (85%)
- Magenta (47%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8417, 21.3157, 46.3540 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 17.8417, 21.3157, 46.3540 by changing the saturation by 10% instead.

■ 17.8417, 21.3157,
46.3540

■ 17.8417, 21.3157,
46.3540

233.0401,
258.9515, 388.5489

■ 10.9354, 13.3550,
32.1746

■ 39.2996, 45.6124,
86.0884

■ 6.0904, 7.6734,
21.2290

■ 54.5819, 62.7171,
112.4805

■ 2.9413, 3.8867,
13.0986

■ 73.3869, 83.6386,
143.7805

■ 1.1228, 1.6104,
7.3649

■ 96.0800, 108.7612,
180.4070

■ 0.0441, 0.3646,
3.6095

■ 123.0265,
138.4695, 222.7786

■ 0.0000, 0.0000,
1.4136

154.5918,

■ 0.0000, 0.0000,

173.1477, 271.3137

0.1523

191.1412,
213.1802, 326.4310

■ 0.0000, 0.0000,
0.0000

■ 17.8417, 21.3157,
46.3540

■ 17.8417, 21.3157,
46.3540

■ 16.5662, 19.5225,
46.0755

■ 19.4804, 23.3575,
46.6622

■ 15.5776, 17.9366,
45.8215

■ 21.5214, 25.6680,
47.0006

■ 15.4740, 17.7666,
45.7942

■ 24.0010, 28.2671,
47.3715

■ 26.9504, 31.1716,
47.7767

■ 30.3980, 34.3972,
48.2176

■ 34.3697, 37.9579,
48.6956

■ 38.8895, 41.8670,
49.2119

■ 43.9799, 46.1368,
49.7678

■ 49.6623, 50.7791,
50.3643

Harmonies

Analogous

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



15.3786, 21.3157, 37.4338



17.8417, 21.3157, 46.3540



21.2444, 21.3157, 48.2692

Triad

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



17.8417, 21.3157, 46.3540



27.7515, 21.3157, 20.5434



16.3438, 21.3157, 11.0358

Complementary

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



17.8417, 21.3157, 46.3540



22.1906, 15.8795, 3.7301

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.



19.3064, 21.3157, 8.7916



17.8417, 21.3157, 46.3540



26.0782, 21.3157, 13.1398

Square

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



17.8417, 21.3157, 46.3540



27.2416, 21.3157, 31.2050



22.8874, 21.3157, 9.4302



14.5864, 21.3157, 16.7111

Rectangle

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



17.8417, 21.3157, 46.3540



23.6416, 21.3157, 44.9124



22.8874, 21.3157, 9.4302



17.2172, 21.3157, 9.9431

Sweetspot

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



17.8425, 21.3164, 46.3545



58.2180, 65.1796, 87.8071



18.5917, 33.6433, 13.2216



12.0535, 13.6085, 18.9137



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



17.8425, 21.3164, 46.3545



28.6380, 33.1562, 83.1850



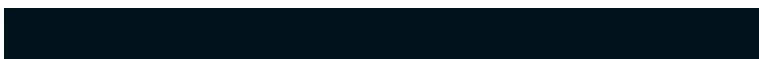
11.0102, 7.6520, 44.0771



8.5161, 9.1783, 10.8291



10.8616, 12.5235, 31.9818



0.3908, 0.4921, 1.0226

Inverse Universe

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



23.9601, 12.8679, 24.5142



41.0979, 20.5869, 37.6623



30.3365, 32.1712, 6.4454



8.7357, 8.6010, 10.1065



15.7171, 7.8044, 14.2020



0.5193, 0.2555, 0.5771

Previews

White Background



This preview shows how the XYZ color 17.8417, 21.3157, 46.3540 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 17.8417, 21.3157, 46.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

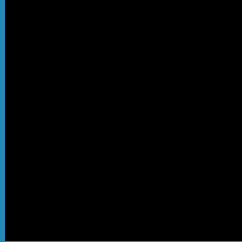
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.8417, 21.3157, 46.3540

Background



This preview shows how black text looks on a background with the XYZ color 17.8417, 21.3157, 46.3540.

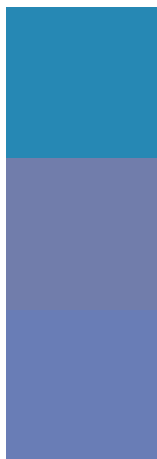


This preview shows how white text looks on a background with the XYZ color 17.8417, 21.3157,

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

17.8417, 21.3157, 46.3540

Protanopia

21.4944, 21.1182, 41.4714

Deuteranopia

21.6028, 21.0479, 47.1800



Tritanopia

15.1924, 21.3168, 33.0196

Trichromacy



Original Color

17.8417, 21.3157, 46.3540

Protanomaly

19.3280, 20.7349, 43.0279

Deuteranomaly

19.5841, 20.7860, 46.6960

Tritanomaly

15.9353, 21.1672, 37.4282

Monochromacy



Original Color

17.8417, 21.3157, 46.3540

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.0990, 17.4122, 26.2320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8417, 21.3157, 46.3540 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(38, 136, 180)` looks like.

```
.text, #text, p{  
    color:rgb(38, 136, 180)  
}
```

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(38, 136, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 136, 180) }
```

Border

The CSS property to change the border of an element to XYZ 17.8417, 21.3157, 46.3540 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(38, 136, 180) }
```


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

```
.border{ border-color:rgb(38, 136, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 136, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 136, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 136, 180);  
box-shadow:4px 4px 4px 4px rgb(38, 136,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8417, 21.3157, 46.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 136, 180) }
```

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

```
.background{ background-color: rgb(38, 136,  
180) }
```

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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