

Converting Colors

XYZ(17.5605, 21.4062, 41.5223)

Have a look what the booklet for
XYZ(17.5605, 21.4062, 41.5223)
contains.

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Color

**XYZ(17.6616, 21.5354,
41.7540)**

Conversions

Conversions Part 1

Format	Color
Hex	3389AB
RGB	51, 137, 171
RGB Percent	20%, 54%, 67%
CMY	0.8000, 0.4627, 0.3294
CMYK	0.70, 0.20, 0.00, 0.33
HSL	197°, 54%, 44%
HSV	197°, 70%, 67%
XYZ	17.6616, 21.5354, 41.7540
YIQ	115.1620, -62.1700, -7.6580

Conversions

Conversions Part 2

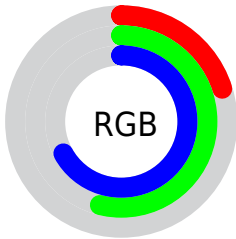
Format	Color
R_{YB}	51, 101, 171
Decimal	3377579
CIE _{Lab}	53.53, -14.38, -25.42
CIE _{LCh}	54, 29.208, 240.507
Yxy	21.5354, 0.2182, 0.2660
Android (android.graphics.Color)	4281567659 (0xFF3389AB)
YUV	115.1620, 27.5281, -56.2701
Hunter-Lab	46.4062, -13.2762, -20.8618

Details

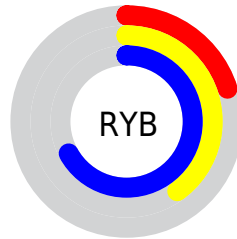
The XYZ color **17.6616, 21.5354, 41.7540** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.6415, 15.3952, 5.0165**, and the grayscale version is **16.2784, 17.1261, 18.6503**.

A 20% lighter version of the original color is **38.8230, 45.7626, 78.7384**, and **6.7380, 8.1483, 18.6704** is the 20% darker color. If you saturate the color by 10%, you get **16.2800, 19.8239, 41.4969**, and if you desaturate by 10%, it is **19.3925, 23.4736, 42.0373**.

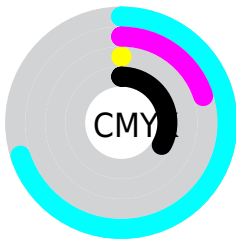
Distribution



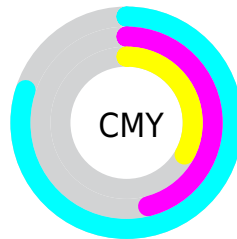
- Red (20%)
- Green (54%)
- Blue (67%)



- Red (20%)
- Yellow (40%)
- Blue (67%)



- Cyan (70%)
- Magenta (20%)
- Yellow (0%)
- Black (33%)



- Cyan (80%)
- Magenta (46%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6616, 21.5354, 41.7540 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 17.6616, 21.5354, 41.7540 by changing the saturation by 10% instead.

■ 17.6616, 21.5354,
41.7540

■ 17.6616, 21.5354,
41.7540

232.0393,
260.1103, 369.2317

■ 10.8055, 13.5159,
28.5846

■ 38.9945, 45.9769,
79.0932

■ 6.0025, 7.7848,
18.5239

■ 54.2020, 63.1677,
104.1002

■ 2.8873, 3.9575,
11.1535

■ 72.9240, 84.1844,
133.8900

■ 1.0944, 1.6498,
6.0547

■ 95.5259, 109.4114,
168.8813

■ 0.0205, 0.3909,
2.8090

■ 122.3730,
139.2331, 209.4925

■ 0.0000, 0.0000,
0.9980

153.8307,

■ 0.0000, 0.0000,

174.0339, 256.1423

0.0000

190.2644,
214.1982, 309.2492

■ 17.6616, 21.5354,
41.7540

■ 17.6616, 21.5354,
41.7540

■ 16.2800, 19.8239,
41.4969

■ 19.3925, 23.4736,
42.0373

■ 15.2082, 18.3171,
41.2625

■ 21.5019, 25.6532,
42.3468

■ 14.3779, 16.9946,
41.0510

■ 24.0185, 28.0897,
42.6845

■ 26.9674, 30.7967,
43.0516

■ 30.3716, 33.7866,
43.4493

■ 34.2522, 37.0709,
43.8786

■ 38.6293, 40.6604,
44.3408

■ 43.5216, 44.5652,
44.8367

■ 48.9467, 48.7951,
45.3672

Harmonies

Analogous

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



15.7335, 21.5354, 33.2695



17.6616, 21.5354, 41.7540



20.5218, 21.5354, 45.1015

Triad

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



17.6616, 21.5354, 41.7540



27.0551, 21.5354, 23.2970



17.5786, 21.5354, 11.5647

Complementary

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



17.6616, 21.5354, 41.7540



20.6415, 15.3952, 5.0165

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.



20.4158, 21.5354, 10.1463



17.6616, 21.5354, 41.7540



26.0698, 21.5354, 15.7795

Square

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



17.6616, 21.5354, 41.7540



26.1321, 21.5354, 32.9388



23.5586, 21.5354, 11.4703



15.6891, 21.5354, 15.9822

Rectangle

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



17.6616, 21.5354, 41.7540



22.6377, 21.5354, 43.4434



23.5586, 21.5354, 11.4703



18.4430, 21.5354, 10.7801

Sweetspot

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



17.6623, 21.5362, 41.7545



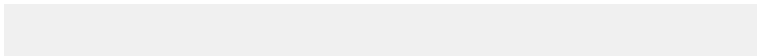
53.6172, 59.8393, 77.7261



17.5686, 30.4861, 13.5540



11.5811, 13.0176, 17.2899



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.6623, 21.5362, 41.7545



28.0717, 34.0258, 74.0900



11.3707, 8.9529, 39.6573



8.0417, 8.6827, 10.2048



10.8851, 12.9040, 30.9615



0.3461, 0.4456, 0.8758

Inverse Universe

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



22.4944, 12.8326, 24.9590



37.8600, 19.6038, 39.3483



27.5183, 29.1486, 7.3087



8.2388, 8.1088, 9.5685



15.3579, 7.6057, 14.7961



0.4491, 0.2203, 0.5268

Previews

White Background



This preview shows how the XYZ color 17.6616, 21.5354, 41.7540 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 17.6616, 21.5354, 41.7540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

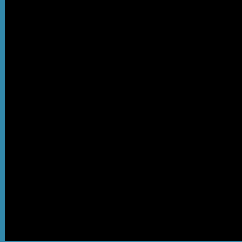
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.6616, 21.5354, 41.7540

Background



This preview shows how black text looks on a background with the XYZ color 17.6616, 21.5354, 41.7540.

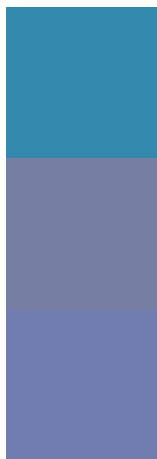


This preview shows how white text looks on a background with the XYZ color 17.6616, 21.5354,

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

17.6616, 21.5354, 41.7540

Protanopia

21.5429, 21.4176, 37.6489

Deuteranopia

21.7836, 21.2339, 42.9948



Tritanopia

15.8449, 21.4352, 33.0081

Trichromacy



Original Color

17.6616, 21.5354, 41.7540

Protanomaly

19.4817, 21.0981, 39.1219

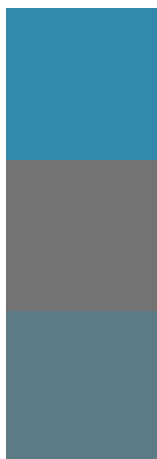
Deuteranomaly

19.6095, 20.8913, 42.5341

Tritanomaly

16.4869, 21.4820, 36.0784

Monochromacy



Original Color

17.6616, 21.5354, 41.7540

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.8698, 18.1905, 25.5964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6616, 21.5354, 41.7540 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(51, 137, 171)` looks like.

```
.text, #text, p{  
    color:rgb(51, 137, 171)  
}
```

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(51, 137, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 137, 171) }
```

Border

The CSS property to change the border of an element to XYZ 17.6616, 21.5354, 41.7540 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(51, 137, 171) }
```


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

```
.border{ border-color:rgb(51, 137, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 137, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 137, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 137, 171);  
box-shadow:4px 4px 4px 4px rgb(51, 137,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6616, 21.5354, 41.7540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 137, 171) }
```

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

```
.background{ background-color: rgb(51, 137,  
171) }
```

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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