

Converting Colors

XYZ(17.5023, 21.5882, 37.5696)

Have a look what the booklet for
XYZ(17.5023, 21.5882, 37.5696)
contains.

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Color

**XYZ(17.4539, 21.5241,
37.4171)**

Conversions

Conversions Part 1

Format	Color
Hex	3E89A2
RGB	62, 137, 162
RGB Percent	24%, 54%, 64%
CMY	0.7568, 0.4627, 0.3647
CMYK	0.62, 0.15, 0.00, 0.36
HSL	195°, 45%, 44%
HSV	195°, 62%, 64%
XYZ	17.4539, 21.5241, 37.4171
YIQ	117.4250, -52.7250, -8.1250

Conversions

Conversions Part 2

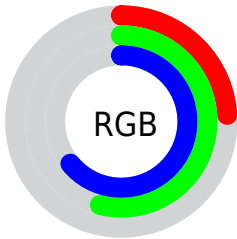
Format	Color
R _Y B	62, 105, 162
Decimal	4098466
CIE Lab	53.52, -15.45, -20.23
CIE LCh	54, 25.454, 232.628
Yxy	21.5241, 0.2285, 0.2817
Android (android.graphics.Color)	4282288546 (0xFF3E89A2)
YUV	117.4250, 21.9755, -48.6077
Hunter-Lab	46.3941, -14.0362, -15.3419

Details

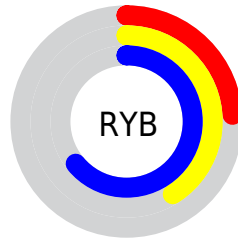
The XYZ color **17.4539, 21.5241, 37.4171** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.1787, 14.8465, 6.4131**, and the grayscale version is **16.9868, 17.8714, 19.4620**.

A 20% lighter version of the original color is **38.5456, 45.7586, 72.4464**, and **6.2227, 7.9422, 15.9569** is the 20% darker color. If you saturate the color by 10%, you get **16.0206, 19.9469, 37.1886**, and if you desaturate by 10%, it is **19.2130, 23.3022, 37.6680**.

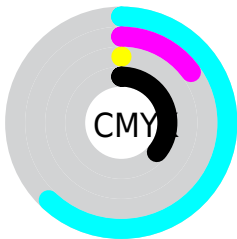
Distribution



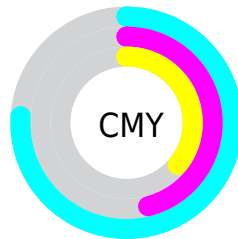
- Red (24%)
- Green (54%)
- Blue (64%)



- Red (24%)
- Yellow (41%)
- Blue (64%)



- Cyan (62%)
- Magenta (15%)
- Yellow (0%)
- Black (36%)



- Cyan (76%)
- Magenta (46%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4539, 21.5241, 37.4171 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 17.4539, 21.5241, 37.4171 by changing the saturation by 10% instead.

■ 17.4539, 21.5241,
37.4171

■ 17.4539, 21.5241,
37.4171

230.8803,
260.0508, 350.3357

■ 10.6559, 13.5076,
25.2323

■ 38.6420, 45.9582,
72.4073

■ 5.9016, 7.7790,
16.0296

■ 53.7628, 63.1446,
96.0498

■ 2.8254, 3.9539,
9.3905

■ 72.3886, 84.1564,
124.3485

■ 1.0621, 1.6478,
4.8965

■ 94.8848, 109.3780,
157.7221

■ 0.0000, 0.3895,
2.1290

■ 121.6167,
139.1939, 196.5891

■ 0.0000, 0.0000,
0.6329

152.9497,

■ 0.0000, 0.0000,

173.9884, 241.3680

0.0000

189.2491,
214.1459, 292.4774

■ 17.4539, 21.5241,
37.4171

■ 17.4539, 21.5241,
37.4171

■ 16.0206, 19.9469,
37.1886

■ 19.2130, 23.3022,
37.6680

■ 14.8830, 18.5535,
36.9796

■ 21.3205, 25.2919,
37.9410

■ 14.0086, 17.3271,
36.7890

■ 23.7993, 27.5058,
38.2376

■ 13.4200, 16.4054,
36.6421

■ 26.6696, 29.9546,
38.5590

■ 29.9502, 32.6483,
38.9061

■ 33.6585, 35.5963,
39.2796

■ 37.8111, 38.8073,
39.6806

■ 42.4234, 42.2898,
40.1096

■ 47.5103, 46.0516,
40.5676

Harmonies

Analogous

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



16.0133, 21.5241, 29.6629



17.4539, 21.5241, 37.4171



19.7964, 21.5241, 41.5811

Triad

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



17.4539, 21.5241, 37.4171



26.0762, 21.5241, 25.4045



18.5170, 21.5241, 12.1795

Complementary

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



17.4539, 21.5241, 37.4171



19.1787, 14.8465, 6.4131

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.



21.1342, 21.5241, 11.5282



17.4539, 21.5241, 37.4171



25.6573, 21.5241, 18.1480

Square

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



17.4539, 21.5241, 37.4171



24.8872, 21.5241, 33.7173



23.7884, 21.5241, 13.4602



16.5882, 21.5241, 15.4913

Rectangle

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



17.4539, 21.5241, 37.4171



21.6191, 21.5241, 41.2335



23.7884, 21.5241, 13.4602



19.3393, 21.5241, 11.6771

Sweetspot

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



17.4546, 21.5249, 37.4176



49.7554, 55.4948, 70.1453



16.6280, 27.5535, 13.4598



10.8276, 12.1745, 15.7168



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.4546, 21.5249, 37.4176



28.2635, 35.2425, 67.3690



11.9172, 10.4502, 35.5718



7.1255, 7.7099, 9.0157



10.6078, 12.9950, 28.8790



0.2569, 0.3410, 0.6181

Inverse Universe

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



21.1389, 12.9336, 25.0500



35.9121, 19.6778, 41.1846



24.7161, 25.9213, 8.2589



7.2883, 7.1718, 8.5046



14.4998, 7.1560, 15.0885



0.3218, 0.1572, 0.4074

Previews

White Background



This preview shows how the XYZ color 17.4539, 21.5241, 37.4171 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 17.4539, 21.5241, 37.4171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

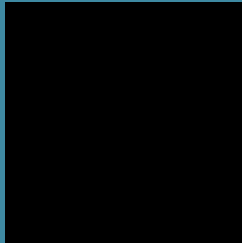
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.4539, 21.5241, 37.4171

Background



This preview shows how black text looks on a background with the XYZ color 17.4539, 21.5241, 37.4171.

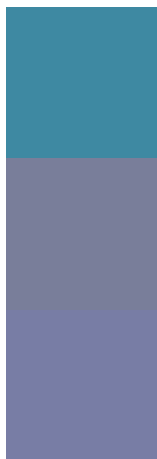


This preview shows how white text looks on a background with the XYZ color 17.4539, 21.5241,

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

17.4539, 21.5241, 37.4171

Protanopia

21.1787, 21.3198, 33.5707

Deuteranopia

21.8709, 21.3769, 38.5707



Tritanopia

16.4250, 21.5371, 32.1456

Trichromacy



Original Color

17.4539, 21.5241, 37.4171

Protanomaly

19.3240, 21.1089, 34.9542

Deuteranomaly

19.6967, 21.0335, 38.1437

Tritanomaly

16.7248, 21.4399, 33.8287

Monochromacy



Original Color

17.4539, 21.5241, 37.4171

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.3711, 18.6501, 24.9273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4539, 21.5241, 37.4171 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(62, 137, 162)` looks like.

```
.text, #text, p{  
    color:rgb(62, 137, 162)  
}
```

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(62, 137, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 137, 162) }
```

Border

The CSS property to change the border of an element to XYZ 17.4539, 21.5241, 37.4171 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(62, 137, 162) }
```


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

```
.border{ border-color:rgb(62, 137, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 137, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 137, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 137, 162);  
box-shadow:4px 4px 4px 4px rgb(62, 137,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4539, 21.5241, 37.4171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 137, 162) }
```

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

```
.background{ background-color: rgb(62, 137,  
162) }
```

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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