

Converting Colors

XYZ(17.5573, 21.6277, 35.1475)

Have a look what the booklet for
XYZ(17.5573, 21.6277, 35.1475)
contains.

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Color

**XYZ(17.5573, 21.6277,
35.1475)**

Conversions

Conversions Part 1

Format	Color
Hex	46899D
RGB	70, 137, 157
RGB Percent	27%, 54%, 62%
CMY	0.7255, 0.4627, 0.3843
CMYK	0.55, 0.13, 0.00, 0.38
HSL	194°, 38%, 45%
HSV	194°, 55%, 62%
XYZ	17.5573, 21.6277, 35.1475
YIQ	119.2470, -46.3520, -7.9840

Conversions

Conversions Part 2

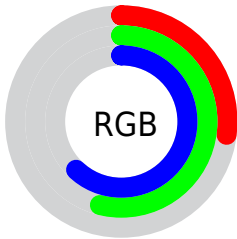
Format	Color
R _Y B	70, 108, 157
Decimal	4622749
CIE Lab	53.63, -15.37, -17.14
CIE LCh	54, 23.026, 228.125
Yxy	21.6277, 0.2362, 0.2910
Android (android.graphics.Color)	4282812829 (0xFF46899D)
YUV	119.2470, 18.6122, -43.1896
Hunter-Lab	46.5056, -13.9955, -12.2557




Details

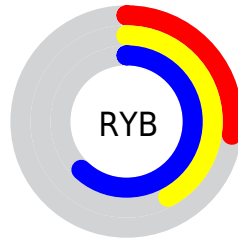
The XYZ color **17.5573, 21.6277, 35.1475** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.6670, 14.9235, 7.6919**, and the grayscale version is **17.5669, 18.4817, 20.1266**.




A 20% lighter version of the original color is **38.7546, 45.9404, 69.1121**, and **6.0097, 7.8570, 14.8355** is the 20% darker color. If you saturate the color by 10%, you get **16.0650, 20.1099, 34.9336**, and if you desaturate by 10%, it is **19.3642, 23.3341, 35.3820**.

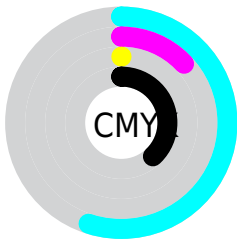
Distribution







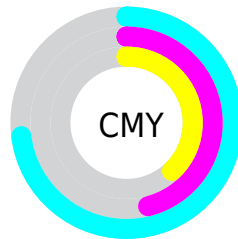
-  Red (27%)
-  Green (54%)
-  Blue (62%)






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



-  Cyan (55%)
-  Magenta (13%)
-  Yellow (0%)
-  Black (38%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5573, 21.6277, 35.1475 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 17.5573, 21.6277, 35.1475 by changing the saturation by 10% instead.

■ 17.5573, 21.6277,
35.1475

■ 17.5573, 21.6277,
35.1475

231.4579,
260.5958, 340.1429

■ 10.7304, 13.5836,
23.4921

■ 38.8175, 46.1299,
68.8684

■ 5.9518, 7.8316,
14.7486

■ 53.9816, 63.3568,
91.7709

■ 2.8562, 3.9874,
8.4984

■ 72.6554, 84.4134,
119.2595

■ 1.0782, 1.6665,
4.3232

■ 95.2042, 109.6841,
151.7527

■ 0.0067, 0.4018,
1.8043

■ 121.9936,
139.5533, 189.6692

■ 0.0000, 0.0000,
0.4308

153.3888,

■ 0.0000, 0.0000,

174.4054, 233.4273

0.0000

189.7551,
214.6247, 283.4457

■ 17.5573, 21.6277,
35.1475

■ 17.5573, 21.6277,
35.1475

■ 16.0650, 20.1099,
34.9336

■ 19.3642, 23.3341,
35.3820

■ 14.8616, 18.7657,
34.7376

■ 21.5049, 25.2379,
35.6367

■ 13.9202, 17.5817,
34.5586

■ 23.9994, 27.3500,
35.9129

■ 13.2052, 16.5391,
34.3951

■ 26.8655, 29.6798,
36.2115

■ 12.9122, 16.0869,
34.3232

■ 30.1197, 32.2362,
36.5334

■ 33.7775, 35.0273,
36.8794

■ 37.8537, 38.0610,
37.2501

■ 42.3621, 41.3446,
37.6463

■ 47.3160, 44.8852,
38.0686

Harmonies

Analogous

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



16.3799, 21.6277, 28.0205



17.5573, 21.6277, 35.1475



19.5982, 21.6277, 39.4532

Triad

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



17.5573, 21.6277, 35.1475



25.5427, 21.6277, 26.4488



19.1195, 21.6277, 12.8761

Complementary

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



17.5573, 21.6277, 35.1475



18.6670, 14.9235, 7.6919

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.



21.5455, 21.6277, 12.6221



17.5573, 21.6277, 35.1475



25.3888, 21.6277, 19.5803

Square

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



17.5573, 21.6277, 35.1475



24.2844, 21.6277, 33.8010



23.8791, 21.6277, 14.8320



17.2310, 21.6277, 15.6127

Rectangle

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



17.5573, 21.6277, 35.1475



21.2324, 21.6277, 39.6708



23.8791, 21.6277, 14.8320



19.8951, 21.6277, 12.5208

Sweetspot

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



17.5580, 21.6285, 35.1480



47.0762, 52.3224, 64.7448



16.3804, 26.1354, 13.6005



10.1467, 11.3421, 14.2248



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.5580, 21.6285, 35.1480



28.3318, 35.5437, 62.4941



12.6732, 11.8589, 33.5197



6.6925, 7.2507, 8.4535



10.5157, 13.1230, 27.8860



0.2172, 0.2931, 0.5083

Inverse Universe

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



20.6108, 13.3554, 25.1592



34.5997, 20.1570, 41.6267



23.3096, 24.2087, 9.2394



6.8389, 6.7285, 8.0026



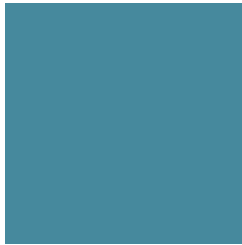
14.1061, 6.9470, 15.3414



0.2670, 0.1301, 0.3519

Previews

White Background



This preview shows how the XYZ color 17.5573, 21.6277, 35.1475 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 17.5573, 21.6277, 35.1475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

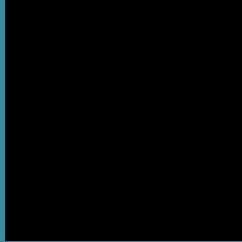
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.5573, 21.6277, 35.1475

Background



This preview shows how black text looks on a background with the XYZ color 17.5573, 21.6277, 35.1475.



This preview shows how white text looks on a background with the XYZ color 17.5573, 21.6277,

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

17.5573, 21.6277, 35.1475

Protanopia

21.1343, 21.3347, 31.8583

Deuteranopia

21.8472, 21.4163, 36.2400



Tritanopia

16.8280, 21.5402, 31.7045

Trichromacy



Original Color

17.5573, 21.6277, 35.1475

Protanomaly

19.4413, 21.2082, 33.2059

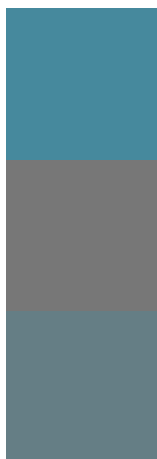
Deuteranomaly

19.8172, 21.1468, 35.8381

Tritanomaly

17.1399, 21.6729, 32.9857

Monochromacy



Original Color

17.5573, 21.6277, 35.1475

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.0613, 19.3819, 25.0321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5573, 21.6277, 35.1475 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(70, 137, 157)` looks like.

```
.text, #text, p{  
    color:rgb(70, 137, 157)  
}
```

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(70, 137, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 137, 157) }
```

Border

The CSS property to change the border of an element to XYZ 17.5573, 21.6277, 35.1475 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(70, 137, 157) }
```


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

```
.border{ border-color:rgb(70, 137, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 137, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 137, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 137, 157);  
box-shadow:4px 4px 4px 4px rgb(70, 137,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5573, 21.6277, 35.1475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 137, 157) }
```

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

```
.background{ background-color: rgb(70, 137,  
157) }
```

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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