

Converting Colors

XYZ(17.6674, 20.6512, 35.4481)

Have a look what the booklet for
XYZ(17.6674, 20.6512, 35.4481)
contains.

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Color

**XYZ(17.6473, 20.6334,
35.4003)**

Conversions

Conversions Part 1

Format	Color
Hex	4F849E
RGB	79, 132, 158
RGB Percent	31%, 52%, 62%
CMY	0.6902, 0.4823, 0.3804
CMYK	0.50, 0.16, 0.00, 0.38
HSL	200°, 33%, 46%
HSV	200°, 50%, 62%
XYZ	17.6473, 20.6334, 35.4003
YIQ	119.1170, -39.9340, -3.1500

Conversions

Conversions Part 2

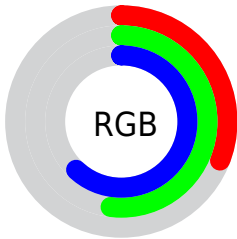
Format	Color
R _Y B	79, 111, 158
Decimal	5211294
CIE Lab	52.55, -10.21, -19.34
CIE LCh	53, 21.872, 242.166
Yxy	20.6334, 0.2395, 0.2800
Android (android.graphics.Color)	4283401374 (0xFF4F849E)
YUV	119.1170, 19.1693, -35.1826
Hunter-Lab	45.4240, -10.1445, -14.4097

Details

The XYZ color **17.6473, 20.6334, 35.4003** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **20.5640, 17.9375, 9.7764**, and the grayscale version is **17.5225, 18.4350, 20.0758**.

A 20% lighter version of the original color is **39.0321, 44.4886, 69.4807**, and **6.0564, 7.4075, 15.0205** is the 20% darker color. If you saturate the color by 10%, you get **15.7984, 18.6598, 35.1172**, and if you desaturate by 10%, it is **19.8450, 22.8399, 35.7107**.

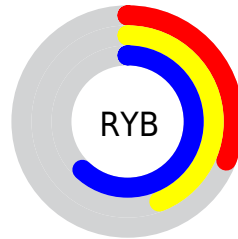
Distribution



Red (31%)

Green (52%)

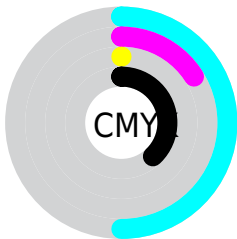
Blue (62%)



Red (31%)

Yellow (44%)

Blue (62%)

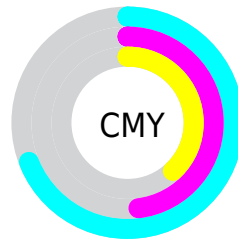


Cyan (50%)

Magenta (16%)

Yellow (0%)

Black (38%)



Cyan (69%)

Magenta (48%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6473, 20.6334, 35.4003 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 17.6473, 20.6334, 35.4003 by changing the saturation by 10% instead.

■ 17.6473, 20.6334,
35.4003

■ 17.6473, 20.6334,
35.4003

231.9597,
255.3238, 341.2895

■ 10.7952, 12.8563,
23.6854

■ 38.9702, 44.4766,
69.2640

■ 5.9956, 7.3297,
14.8904

■ 54.1718, 61.3115,
92.2499

■ 2.8830, 3.6691,
8.5967

■ 72.8872, 81.9344,
119.8299

■ 1.0922, 1.4902,
4.3859

■ 95.4818, 106.7298,
152.4224

■ 0.0186, 0.2818,
1.8393

■ 122.3210,
136.0821, 190.4461

■ 0.0000, 0.0000,
0.4537

153.7702,

■ 0.0000, 0.0000,

170.3755, 234.3195

0.0000

190.1946,
209.9946, 284.4611

■ 17.6473, 20.6334,
35.4003

■ 17.6473, 20.6334,
35.4003

■ 15.7984, 18.6598,
35.1172

■ 19.8450, 22.8399,
35.7107

■ 14.2734, 16.9042,
34.8587

■ 22.4104, 25.2884,
36.0481

■ 13.0469, 15.3531,
34.6239

■ 25.3632, 27.9903,
36.4140

■ 12.0885, 13.9901,
34.4114

■ 28.7210, 30.9553,
36.8094

■ 11.3259, 12.7771,
34.2174

■ 32.5003, 34.1927,
37.2350

■ 11.3257, 12.7769,
34.2174

■ 36.7168, 37.7111,
37.6919

■ 41.3852, 41.5190,
38.1809

■ 46.5196, 45.6241,
38.7026

■ 52.1334, 50.0340,
39.2579

Harmonies

Analogous

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



16.1507, 20.6334, 29.7825



17.6473, 20.6334, 35.4003



19.7765, 20.6334, 37.3782

Triad

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



17.6473, 20.6334, 35.4003



24.2936, 20.6334, 21.9982



17.3829, 20.6334, 13.4751

Complementary

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



17.6473, 20.6334, 35.4003



20.5640, 17.9375, 9.7764

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.



19.4473, 20.6334, 12.1647



17.6473, 20.6334, 35.4003



23.5342, 20.6334, 16.4585

Square

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



17.6473, 20.6334, 35.4003



23.7205, 20.6334, 28.8081



21.7161, 20.6334, 13.1426



16.0066, 20.6334, 17.1309

Rectangle

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



17.6473, 20.6334, 35.4003



21.3010, 20.6334, 36.1110



21.7161, 20.6334, 13.1426



18.0137, 20.6334, 12.7813

Sweetspot

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



17.6480, 20.6342, 35.4008



48.8341, 53.3022, 66.4580



17.9515, 27.1163, 17.3898



10.7409, 11.7786, 14.9510



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.



17.6480, 20.6342, 35.4008



28.3345, 33.4911, 63.7145



13.3537, 12.0456, 33.9694



6.6377, 7.1412, 8.4352



9.1077, 10.3069, 27.4166



0.1998, 0.2582, 0.5025

Inverse Universe

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



21.0620, 14.5278, 23.5246



35.5320, 22.0737, 38.3504



25.4126, 27.6346, 11.3926



6.8112, 6.7174, 7.8571



13.3953, 6.6627, 11.5988



0.2582, 0.1266, 0.3056

Previews

White Background



This preview shows how the XYZ color 17.6473, 20.6334, 35.4003 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 17.6473, 20.6334, 35.4003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

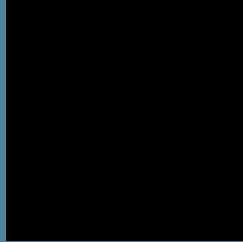
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.6473, 20.6334, 35.4003

Background



This preview shows how black text looks on a background with the XYZ color 17.6473, 20.6334, 35.4003.

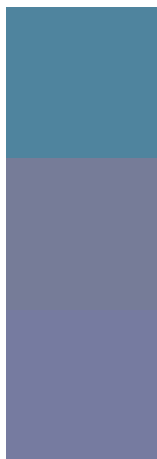


This preview shows how white text looks on a background with the XYZ color 17.6473, 20.6334,

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

17.6473, 20.6334, 35.4003

Protanopia

20.3464, 20.5339, 32.5968

Deuteranopia

20.8993, 20.5555, 36.1238



Tritanopia

16.5376, 20.5904, 29.8908

Trichromacy



Original Color

17.6473, 20.6334, 35.4003

Protanomaly

19.1310, 20.4549, 33.5117

Deuteranomaly

19.4278, 20.3680, 35.7083

Tritanomaly

16.8730, 20.5136, 31.9244

Monochromacy



Original Color

17.6473, 20.6334, 35.4003

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.1502, 19.0518, 24.9638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6473, 20.6334, 35.4003 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(79, 132, 158)` looks like.

```
.text, #text, p{  
    color:rgb(79, 132, 158)  
}
```

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(79, 132, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 132, 158) }
```

Border

The CSS property to change the border of an element to XYZ 17.6473, 20.6334, 35.4003 is called "border". The border property can be set on classes, ids or directly on the HTML element.

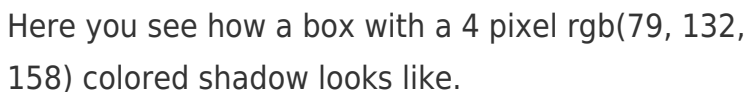
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(79, 132, 158) }
```


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

```
.border{ border-color:rgb(79, 132, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(79, 132, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(79, 132, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(79, 132, 158); box-shadow:4px 4px 4px 4px rgb(79, 132, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6473, 20.6334, 35.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 132, 158) }
```

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

```
.background{ background-color: rgb(79, 132,  
158) }
```

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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