

Converting Colors

XYZ(18.0174, 18.4820, 36.3362)

Have a look what the booklet for
XYZ(18.0174, 18.4820, 36.3362)
contains.

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Color

**XYZ(18.0793, 18.5475,
36.3454)**

Conversions

Conversions Part 1

Format	Color
Hex	6178A1
RGB	97, 120, 161
RGB Percent	38%, 47%, 63%
CMY	0.6196, 0.5294, 0.3686
CMYK	0.40, 0.25, 0.00, 0.37
HSL	218°, 25%, 51%
HSV	218°, 40%, 63%
XYZ	18.0793, 18.5475, 36.3454
YIQ	117.7970, -26.8690, 7.8750

Conversions

Conversions Part 2

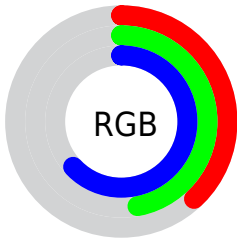
Format	Color
R_{YB}	97, 114, 161
Decimal	6387873
CIE _{Lab}	50.15, 2.41, -24.68
CIE _{LCh}	50, 24.797, 275.573
Yxy	18.5475, 0.2478, 0.2542
Android (android.graphics.Color)	4284577953 (0xFF6178A1)
YUV	117.7970, 21.2991, -18.2390
Hunter-Lab	43.0668, -0.4332, -19.8899

Details

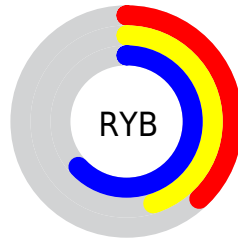
The XYZ color **18.0793, 18.5475, 36.3454** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.9448, 26.6179, 15.0805**, and the grayscale version is **17.0985, 17.9890, 19.5900**.

A 20% lighter version of the original color is **39.7249, 40.9469, 70.7756**, and **6.2044, 6.3197, 15.3608** is the 20% darker color. If you saturate the color by 10%, you get **15.3604, 15.4029, 35.8821**, and if you desaturate by 10%, it is **21.2812, 22.1403, 36.8705**.

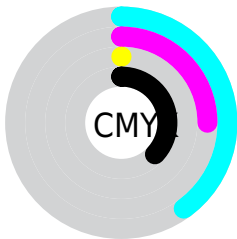
Distribution



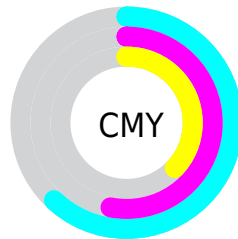
- Red (38%)
- Green (47%)
- Blue (63%)



- Red (38%)
- Yellow (45%)
- Blue (63%)



- Cyan (40%)
- Magenta (25%)
- Yellow (0%)
- Black (37%)



- Cyan (62%)
- Magenta (53%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0793, 18.5475, 36.3454 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 18.0793, 18.5475, 36.3454 by changing the saturation by 10% instead.

■ 18.0793, 18.5475,
36.3454

■ 18.0793, 18.5475,
36.3454

234.3546,
243.9392, 345.5507

■ 11.1070, 11.3438,
24.4093

■ 39.7014, 40.9681,
70.7399

■ 6.2067, 6.2986,
15.4225

■ 55.0819, 56.9537,
94.0353

■ 3.0130, 3.0275,
8.9665

■ 73.9959, 76.6354,
121.9543

■ 1.1606, 1.1461,
4.6228

■ 96.8086, 100.3976,
154.9153

■ 0.0749, 0.0170,
1.9729

123.8855,
128.6247, 193.3369

■ 0.0000, 0.0000,
0.5385

155.5919,

■ 0.0000, 0.0000,

161.7011, 237.6376

0.0000

192.2931,
200.0111, 288.2360

■ 18.0793, 18.5475,
36.3454

■ 18.0793, 18.5475,
36.3454

■ 15.3604, 15.4029,
35.8821

■ 21.2812, 22.1403,
36.8705

■ 13.0974, 12.6849,
35.4767

■ 24.9878, 26.1973,
37.4582

■ 11.2627, 10.3734,
35.1273

■ 29.2215, 30.7360,
38.1111

■ 9.8253, 8.4453,
34.8308

■ 34.0027, 35.7727,
38.8313

■ 8.7487, 6.8744,
34.5844

■ 39.3510, 41.3225,
39.6206

■ 7.9571, 5.6137,
34.3828

■ 45.2846, 47.4001,
40.4810

■ 7.9390, 5.5850,
34.3782

■ 51.8212, 54.0195,
41.4141

■ 58.9776, 61.1940,
42.4218

■ 66.7698, 68.9368,
43.5056

Harmonies

Analogous

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



15.7946, 18.5475, 34.7181



18.0793, 18.5475, 36.3454



20.4420, 18.5475, 32.9145

Triad

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



18.0793, 18.5475, 36.3454



21.6404, 18.5475, 13.4609



13.7642, 18.5475, 15.2233

Complementary

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



18.0793, 18.5475, 36.3454



25.9448, 26.6179, 15.0805

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.



15.0864, 18.5475, 11.2646



18.0793, 18.5475, 36.3454



19.5999, 18.5475, 10.4198

Square

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



18.0793, 18.5475, 36.3454



22.6138, 18.5475, 18.9427



17.1859, 18.5475, 9.7178



13.4362, 18.5475, 21.5015

Rectangle

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



18.0793, 18.5475, 36.3454



21.7010, 18.5475, 28.5943



17.1859, 18.5475, 9.7178



14.1009, 18.5475, 13.6263

Sweetspot

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



18.0799, 18.5482, 36.3458



50.3656, 52.9508, 67.9525



22.2290, 29.8531, 28.4593



10.8425, 11.3956, 14.8718



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.



18.0799, 18.5482, 36.3458



27.8897, 28.0326, 64.3274



16.5970, 14.1591, 35.5768



6.8991, 7.2572, 8.9402



6.3763, 4.5320, 27.4685



0.1776, 0.1824, 0.5917

Inverse Universe

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



22.3634, 17.4833, 19.9658



36.8584, 26.4883, 29.8777



27.9395, 33.0738, 16.2214



7.1740, 7.1261, 7.9029



12.3639, 6.3016, 3.8412



0.2818, 0.1412, 0.1966

Previews

White Background



This preview shows how the XYZ color 18.0793, 18.5475, 36.3454 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 18.0793, 18.5475, 36.3454 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

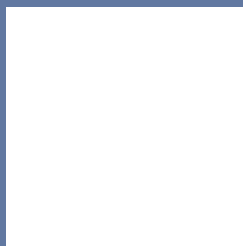
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.0793, 18.5475, 36.3454

Background



This preview shows how black text looks on a background with the XYZ color 18.0793, 18.5475, 36.3454.

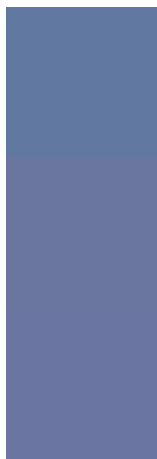


This preview shows how white text looks on a background with the XYZ color 18.0793, 18.5475,

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

18.0793, 18.5475, 36.3454

Protanopia

18.7998, 18.5859, 35.3975

Deuteranopia

18.9463, 18.4570, 36.7464



Tritanopia

15.9232, 18.5902, 25.6707

Trichromacy



Original Color

18.0793, 18.5475, 36.3454

Protanomaly

18.5355, 18.6153, 35.8739

Deuteranomaly

18.5935, 18.4491, 36.7635

Tritanomaly

16.6312, 18.5067, 29.0811

Monochromacy



Original Color

18.0793, 18.5475, 36.3454

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.3303, 18.2299, 25.1596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0793, 18.5475, 36.3454 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(97, 120, 161)` looks like.

```
.text, #text, p{  
    color:rgb(97, 120, 161)  
}
```

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(97, 120, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 120, 161) }
```

Border

The CSS property to change the border of an element to XYZ 18.0793, 18.5475, 36.3454 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(97, 120, 161) }
```


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

```
.border{ border-color:rgb(97, 120, 161) }
```

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

Here you see how a box with a 4 pixel rgb(97, 120, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 120, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 120, 161);  
box-shadow:4px 4px 4px 4px rgb(97, 120,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0793, 18.5475, 36.3454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 120, 161) }
```

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

```
.background{ background-color: rgb(97, 120,  
161) }
```

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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