

Converting Colors

XYZ(17.7437, 15.4009, 41.0686)

Have a look what the booklet for
XYZ(17.7437, 15.4009, 41.0686)
contains.

XYZ(17.6773, 15.3061, 41.0524)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.6773, 15.3061,
41.0524)**

Conversions

Conversions Part 1

Format	Color
Hex	6666AC
RGB	102, 102, 172
RGB Percent	40%, 40%, 67%
CMY	0.6000, 0.6000, 0.3255
CMYK	0.41, 0.41, 0.00, 0.33
HSL	240°, 30%, 54%
HSV	240°, 41%, 67%
XYZ	17.6773, 15.3061, 41.0524
YIQ	109.9800, -22.4700, 21.7700

Conversions

Conversions Part 2

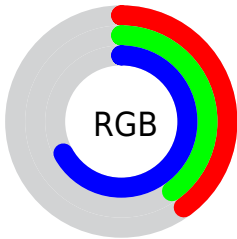
Format	Color
RYB	102, 102, 172
Decimal	6710956
CIELab	46.05, 17.95, -37.50
CIElCh	46, 41.574, 295.573
Yxy	15.3061, 0.2388, 0.2067
Android (android.graphics.Color)	4284901036 (0xFF6666AC)
YUV	109.9800, 30.5759, -6.9985
Hunter-Lab	39.1230, 12.1880, -34.8278

Details

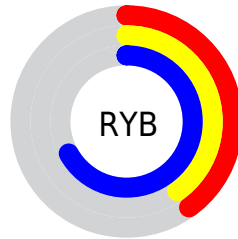
The XYZ color **17.6773, 15.3061, 41.0524** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.1640, 39.2351, 18.3433**, and the grayscale version is **14.7355, 15.5029, 16.8827**.

A 20% lighter version of the original color is **39.1051, 35.4518, 78.1806**, and **5.9626, 4.7173, 18.0490** is the 20% darker color. If you saturate the color by 10%, you get **14.4079, 11.3665, 40.4646**, and if you desaturate by 10%, it is **21.7030, 20.1567, 41.7768**.

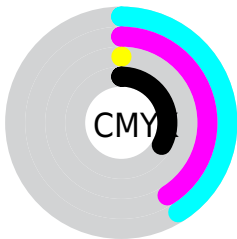
Distribution



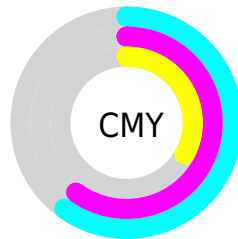
- Red (40%)
- Green (40%)
- Blue (67%)



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



- Cyan (41%)
- Magenta (41%)
- Yellow (0%)
- Black (33%)



- Cyan (60%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6773, 15.3061, 41.0524 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 17.6773, 15.3061, 41.0524 by changing the saturation by 10% instead.

■ 17.6773, 15.3061,
41.0524

■ 17.6773, 15.3061,
41.0524

232.1267,
225.2116, 366.2227

■ 10.8168, 9.0345,
28.0400

■ 39.0211, 35.3893,
78.0180

■ 6.0102, 4.7637,
18.1165

■ 54.2351, 49.9696,
102.8082

■ 2.8920, 2.1093,
10.8634

■ 72.9644, 68.0884,
132.3615

■ 1.0969, 0.6698,
5.8620

■ 95.5743, 90.1299,
167.0964

■ 0.0225, 0.0000,
2.6939

122.4301,
116.4786, 207.4315

■ 0.0000, 0.0000,
0.9404

153.8972,

■ 0.0000, 0.0000,

147.5188, 253.7852

0.0000

190.3409,
183.6350, 306.5761

■ 17.6773, 15.3061,
41.0524

■ 17.6773, 15.3061,
41.0524

■ 14.4079, 11.3665,
40.4646

■ 21.7030, 20.1567,
41.7768

■ 11.8459, 8.2796,
40.0038

■ 26.5262, 25.9683,
42.6443

■ 9.9397, 5.9827,
39.6609

■ 32.1873, 32.7897,
43.6626

■ 8.6297, 4.4042,
39.4253

■ 38.7235, 40.6654,
44.8383

■ 7.8455, 3.4594,
39.2842

■ 46.1696, 49.6375,
46.1776

■ 7.4465, 2.9786,
39.2125

■ 54.5586, 59.7458,
47.6866

■ 63.9218, 71.0280,
49.3708

■ 74.2893, 83.5202,
51.2356

■ 84.4464, 95.7586,
53.0625

Harmonies

Analogous

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



14.0306, 15.3061, 44.5111



17.6773, 15.3061, 41.0524



20.8919, 15.3061, 30.2399

Triad

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



17.6773, 15.3061, 41.0524



18.7303, 15.3061, 5.2278



8.7783, 15.3061, 15.2106

Complementary

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



17.6773, 15.3061, 41.0524



34.1640, 39.2351, 18.3433

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.



9.6390, 15.3061, 7.9180



17.6773, 15.3061, 41.0524



15.0779, 15.3061, 3.8306

Square

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



17.6773, 15.3061, 41.0524



21.5655, 15.3061, 9.6071



11.8117, 15.3061, 4.5656



9.2465, 15.3061, 26.5380

Rectangle

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



17.6773, 15.3061, 41.0524



22.1568, 15.3061, 21.9901



11.8117, 15.3061, 4.5656



8.9173, 15.3061, 12.2787

Sweetspot

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



17.6779, 15.3067, 41.0528



56.7324, 57.4850, 78.9114



27.6788, 35.3087, 44.3865



12.0395, 12.1437, 17.0971



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.



17.6779, 15.3067, 41.0528



26.5741, 21.1460, 73.4868



22.5147, 17.8001, 41.2791



7.5789, 7.7572, 10.0505



5.5414, 2.2166, 29.1803



0.1542, 0.0617, 0.8118

Inverse Universe

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



29.2112, 21.2523, 41.5917



50.4406, 33.4497, 74.6018



27.4677, 35.7831, 18.0300



8.3371, 8.1481, 10.0860



18.2017, 8.7432, 29.7712



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 17.6773, 15.3061, 41.0524 looks on a white 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

Black Background



This preview shows how the XYZ color 17.6773, 15.3061, 41.0524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

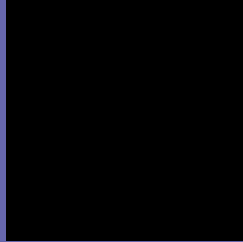
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.6773, 15.3061, 41.0524

Background



This preview shows how black text looks on a background with the XYZ color 17.6773, 15.3061, 41.0524.



This preview shows how white text looks on a background with the XYZ color 17.6773, 15.3061,

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

17.6773, 15.3061, 41.0524

Protanopia

16.5738, 15.4438, 43.1817

Deuteranopia

15.7048, 15.3761, 40.1704



Tritanopia

13.6344, 15.3891, 20.6641

Trichromacy



Original Color

17.6773, 15.3061, 41.0524

Protanomaly

16.9093, 15.3221, 42.6237

Deuteranomaly

16.2510, 15.1796, 40.6015

Tritanomaly

14.8184, 15.2104, 26.9658

Monochromacy



Original Color

17.6773, 15.3061, 41.0524

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.5547, 15.3346, 24.3304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6773, 15.3061, 41.0524 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(102, 102, 172)` looks like.

```
.text, #text, p{  
    color:rgb(102, 102, 172)  
}
```

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(102, 102, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 102, 172) }
```

Border

The CSS property to change the border of an element to XYZ 17.6773, 15.3061, 41.0524 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(102, 102, 172) }
```


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

```
.border{ border-color:rgb(102, 102, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 102, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 102, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 102, 172);  
box-shadow:4px 4px 4px 4px rgb(102, 102,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6773, 15.3061, 41.0524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 102, 172) }
```

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

```
.background{ background-color: rgb(102,  
102, 172) }
```

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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