

Converting Colors

XYZ(17.8560, 15.9960, 41.1761)

Have a look what the booklet for
XYZ(17.8560, 15.9960, 41.1761)
contains.

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Color

**XYZ(17.8560, 15.9960,
41.1761)**

Conversions

Conversions Part 1

Format	Color
Hex	646AAC
RGB	100, 106, 172
RGB Percent	39%, 42%, 67%
CMY	0.6078, 0.5843, 0.3255
CMYK	0.42, 0.38, 0.00, 0.33
HSL	235°, 30%, 53%
HSV	235°, 42%, 67%
XYZ	17.8560, 15.9960, 41.1761
YIQ	111.7300, -24.7620, 19.2540

Conversions

Conversions Part 2

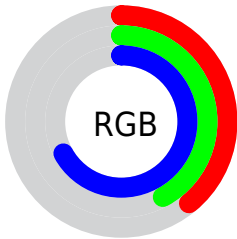
Format	Color
RYB	100, 106, 172
Decimal	6580908
CIELab	46.97, 14.94, -36.06
CIELCh	47, 39.036, 292.510
Yxy	15.9960, 0.2380, 0.2132
Android (android.graphics.Color)	4284770988 (0xFF646AAC)
YUV	111.7300, 29.7131, -10.2872
Hunter-Lab	39.9950, 9.7011, -33.0444

Details

The XYZ color **17.8560, 15.9960, 41.1761** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.9504, 36.9640, 17.4556**, and the grayscale version is **15.2437, 16.0375, 17.4649**.

A 20% lighter version of the original color is **39.3870, 36.5854, 78.3846**, and **6.0660, 5.0642, 18.1105** is the 20% darker color. If you saturate the color by 10%, you get **14.6724, 12.1607, 40.6039**, and if you desaturate by 10%, it is **21.7411, 20.6370, 41.8674**.

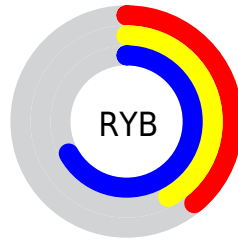
Distribution



Red (39%)

Green (42%)

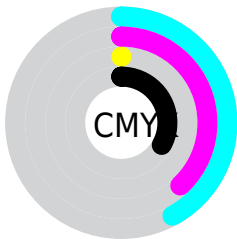
Blue (67%)



Red (39%)

Yellow (42%)

Blue (67%)

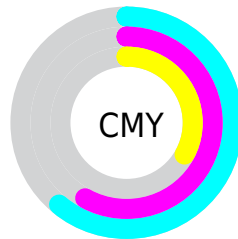


Cyan (42%)

Magenta (38%)

Yellow (0%)

Black (33%)



Cyan (61%)

Magenta (58%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8560, 15.9960, 41.1761 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 17.8560, 15.9960, 41.1761 by changing the saturation by 10% instead.

■ 17.8560, 15.9960,
41.1761

■ 17.8560, 15.9960,
41.1761

233.1194,
229.3181, 366.7545

■ 10.9457, 9.5213,
28.1360

■ 39.3238, 36.5913,
78.2077

■ 6.0974, 5.0828,
18.1882

■ 54.6120, 51.4806,
103.0363

■ 2.9456, 2.2959,
10.9144

■ 73.4236, 69.9437,
132.6314

■ 1.1251, 0.7715,
5.8958

■ 96.1239, 92.3648,
167.4117

■ 0.0459, 0.0000,
2.7141

123.0783,
119.1285, 207.7956

■ 0.0000, 0.0000,
0.9505

154.6521,

■ 0.0000, 0.0000,

150.6189, 254.2016

0.0000

191.2107,
187.2207, 307.0484

■ 17.8560, 15.9960,
41.1761

■ 17.8560, 15.9960,
41.1761

■ 14.6724, 12.1607,
40.6039

■ 21.7411, 20.6370,
41.8674

■ 12.1467, 9.0834,
40.1430

■ 26.3645, 26.1242,
42.6829

■ 10.2331, 6.7141,
39.7866

■ 31.7622, 32.4976,
43.6286

■ 8.8791, 4.9960,
39.5263

■ 37.9675, 39.7939,
44.7099

■ 8.0234, 3.8635,
39.3528

■ 45.0119, 48.0479,
45.9318

■ 7.6080, 3.3016,
39.2663

■ 52.9250, 57.2926,
47.2991

■ 61.7351, 67.5594,
48.8165

■ 71.4690, 78.8782,
50.4882

■ 82.1526, 91.2778,
52.3185

Harmonies

Analogous

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



14.3646, 15.9960, 43.4733



17.8560, 15.9960, 41.1761



21.0254, 15.9960, 31.5360

Triad

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



17.8560, 15.9960, 41.1761



19.5559, 15.9960, 6.3584



9.5831, 15.9960, 15.0810

Complementary

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



17.8560, 15.9960, 41.1761



32.9504, 36.9640, 17.4556

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.



10.5700, 15.9960, 8.3023



17.8560, 15.9960, 41.1761



16.0749, 15.9960, 4.6413

Square

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



17.8560, 15.9960, 41.1761



22.1047, 15.9960, 11.1690



12.8280, 15.9960, 5.1878



9.9131, 15.9960, 25.6451

Rectangle

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



17.8560, 15.9960, 41.1761



22.3579, 15.9960, 23.6953



12.8280, 15.9960, 5.1878



9.7660, 15.9960, 12.3588

Sweetspot

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



17.8566, 15.9966, 41.1765



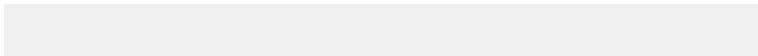
56.1896, 57.2683, 78.8981



26.8915, 34.9680, 41.4089



11.7369, 11.8862, 17.0633



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.



17.8566, 15.9966, 41.1765



27.1206, 22.6698, 73.7521



21.2102, 16.8396, 41.1624



7.6306, 7.8605, 10.0677



5.6794, 2.4926, 29.2263



0.1749, 0.1032, 0.8187

Inverse Universe

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



24.1725, 18.9264, 16.0153



40.1658, 28.9378, 21.7345



28.2087, 36.1763, 17.5535



8.0313, 8.0258, 8.4758



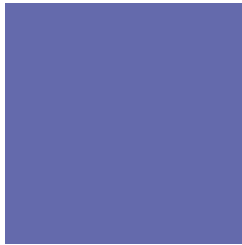
12.7303, 6.5547, 0.9594



0.3627, 0.1858, 0.0716

Previews

White Background



This preview shows how the XYZ color 17.8560, 15.9960, 41.1761 looks on a white background.

Color Contrast Check

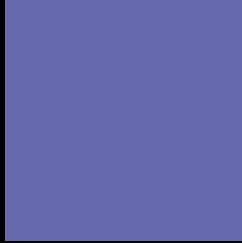
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8560, 15.9960, 41.1761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

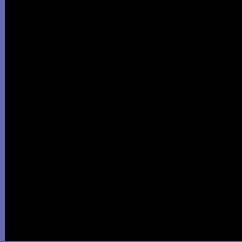
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8560, 15.9960, 41.1761

Background



This preview shows how black text looks on a background with the XYZ color 17.8560, 15.9960, 41.1761.

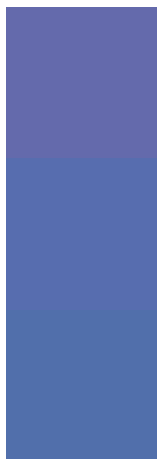


This preview shows how white text looks on a background with the XYZ color 17.8560, 15.9960,

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

17.8560, 15.9960, 41.1761

Protanopia

17.1370, 16.0587, 42.7539

Deuteranopia

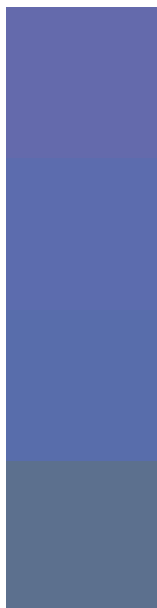
16.4285, 16.0585, 40.7618



Tritanopia

13.9716, 16.0462, 21.7629

Trichromacy



Original Color

17.8560, 15.9960, 41.1761

Protanomaly

17.4162, 16.0564, 42.2257

Deuteranomaly

16.8438, 15.9523, 40.7194

Tritanomaly

15.0903, 15.8166, 27.8488

Monochromacy



Original Color

17.8560, 15.9960, 41.1761

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.0633, 16.0612, 24.8078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8560, 15.9960, 41.1761 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(100, 106, 172)` looks like.

```
.text, #text, p{  
    color:rgb(100, 106, 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(100, 106, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 106, 172) }
```

Border

The CSS property to change the border of an element to XYZ 17.8560, 15.9960, 41.1761 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(100, 106, 172) }
```


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

```
.border{ border-color:rgb(100, 106, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 106, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 106, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 106, 172);  
box-shadow:4px 4px 4px 4px rgb(100, 106,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8560, 15.9960, 41.1761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 106, 172) }
```

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

```
.background{ background-color: rgb(100,  
106, 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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