

Converting Colors

XYZ(20.0935, 17.8358, 36.1904)

Have a look what the booklet for
XYZ(20.0935, 17.8358, 36.1904)
contains.

XYZ(20.1773, 17.9360, 36.1168)	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(20.1773, 17.9360,
36.1168)**

Conversions

Conversions Part 1

Format	Color
Hex	7B6EA1
RGB	123, 110, 161
RGB Percent	48%, 43%, 63%
CMY	0.5176, 0.5686, 0.3686
CMYK	0.24, 0.32, 0.00, 0.37
HSL	255°, 21%, 53%
HSV	255°, 32%, 63%
XYZ	20.1773, 17.9360, 36.1168
YIQ	119.7010, -8.6230, 18.6170

Conversions

Conversions Part 2

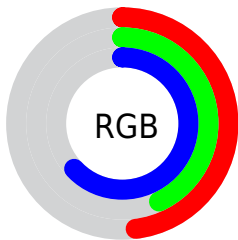
Format	Color
R_{YB}	123, 110, 161
Decimal	8089249
CIE _{Lab}	49.42, 16.30, -25.66
CIE _{LCh}	49, 30.393, 302.422
Yxy	17.9360, 0.2718, 0.2416
Android (android.graphics.Color)	4286279329 (0xFF7B6EA1)
YUV	119.7010, 20.3604, 2.8932
Hunter-Lab	42.3509, 10.9289, -20.9168

Details

The XYZ color **20.1773, 17.9360, 36.1168** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.7727, 32.9119, 19.6414**, and the grayscale version is **17.6968, 18.6184, 20.2754**.

A 20% lighter version of the original color is **43.2195, 40.0286, 70.4141**, and **7.2306, 5.9658, 15.2384** is the 20% darker color. If you saturate the color by 10%, you get **16.9833, 13.9412, 35.5144**, and if you desaturate by 10%, it is **23.8984, 22.6719, 36.8351**.

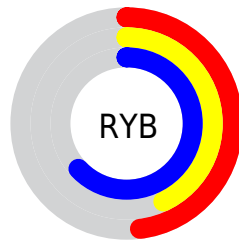
Distribution



Red (48%)

Green (43%)

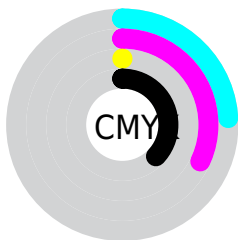
Blue (63%)



Red (48%)

Yellow (43%)

Blue (63%)

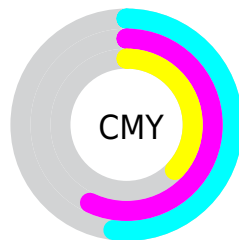


Cyan (24%)

Magenta (32%)

Yellow (0%)

Black (37%)



Cyan (52%)

Magenta (57%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1773, 17.9360, 36.1168 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 20.1773, 17.9360, 36.1168 by changing the saturation by 10% instead.

■ 20.1773, 17.9360,
36.1168

■ 20.1773, 17.9360,
36.1168

245.6886,
240.5101, 344.5236

■ 12.6330, 10.9040,
24.2340

■ 43.2159, 39.9282,
70.3834

■ 7.2516, 6.0023,
15.2935

■ 59.4409, 55.6573,
93.6042

■ 3.6677, 2.8465,
8.8767

■ 79.2903, 75.0542,
121.4416

■ 1.5159, 1.0521,
4.5651

■ 103.1292, 98.5034,
154.3138

■ 0.3366, 0.0000,
1.9402

131.3232,
126.3891, 192.6397

■ 0.0000, 0.0000,
0.5181

164.2375,

■ 0.0000, 0.0000,

159.0959, 236.8375

0.0000

202.2375,
197.0081, 287.3260

■ 20.1773, 17.9360,
36.1168

■ 20.1773, 17.9360,
36.1168

■ 16.9833, 13.9412,
35.5144

■ 23.8984, 22.6719,
36.8351

■ 14.2900, 10.6471,
35.0205

■ 28.1679, 28.1821,
37.6737

■ 12.0712, 8.0130,
34.6290

■ 33.0078, 34.5003,
38.6381

■ 10.2976, 5.9928,
34.3326

■ 38.4388, 41.6577,
39.7334

■ 8.9361, 4.5342,
34.1228

■ 44.4801, 49.6836,
40.9641

■ 7.9487, 3.5759,
33.9898

■ 51.1502, 58.6061,
42.3348

■ 7.3491, 3.0454,
33.9191

■ 58.4668, 68.4519,
43.8496

■ 66.4469, 79.2467,
45.5126

■ 75.1069, 91.0151,
47.3277

Harmonies

Analogous

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



17.2817, 17.9360, 39.9303



20.1773, 17.9360, 36.1168



22.4155, 17.9360, 27.7877

Triad

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



20.1773, 17.9360, 36.1168



19.7291, 17.9360, 8.6118



12.1119, 17.9360, 20.2042

Complementary

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



20.1773, 17.9360, 36.1168



27.7727, 32.9119, 19.6414

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.



12.6134, 17.9360, 13.0943



20.1773, 17.9360, 36.1168



16.8157, 17.9360, 7.6214

Square

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



20.1773, 17.9360, 36.1168



22.1371, 17.9360, 12.2287



14.2596, 17.9360, 9.0042



12.8049, 17.9360, 29.2756

Rectangle

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



20.1773, 17.9360, 36.1168



23.1166, 17.9360, 21.6860



14.2596, 17.9360, 9.0042



12.1463, 17.9360, 17.5205

Sweetspot

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



20.1779, 17.9367, 36.1172



51.6699, 52.0620, 67.7122



23.4932, 27.1471, 37.7203



11.0945, 11.1094, 14.8032



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.



20.1779, 17.9367, 36.1172



32.0145, 26.9527, 63.9016



24.2675, 20.0450, 36.3086



6.8619, 6.9431, 8.8816



5.9026, 2.4494, 27.0915



0.1649, 0.0725, 0.5712

Inverse Universe

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



25.6197, 20.8677, 30.6952



43.4266, 33.1076, 52.1585



23.6926, 30.8085, 19.4505



7.2868, 7.1712, 8.4969



14.4617, 7.1407, 14.8876



0.3213, 0.1570, 0.4044

Previews

White Background



This preview shows how the XYZ color 20.1773, 17.9360, 36.1168 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 20.1773, 17.9360, 36.1168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

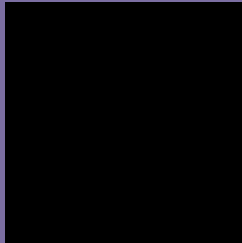
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1773, 17.9360, 36.1168

Background



This preview shows how black text looks on a background with the XYZ color 20.1773, 17.9360, 36.1168.



This preview shows how white text looks on a background with the XYZ color 20.1773, 17.9360,

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

20.1773, 17.9360, 36.1168

Protanopia

18.6078, 18.0687, 38.5833

Deuteranopia

18.4163, 18.0321, 35.7676



Tritanopia

17.4633, 18.0108, 22.2947

Trichromacy



Original Color

20.1773, 17.9360, 36.1168

Protanomaly

19.1486, 18.0300, 37.5929

Deuteranomaly

19.0446, 18.0174, 35.7317

Tritanomaly

18.2853, 17.8206, 26.9021

Monochromacy



Original Color

20.1773, 17.9360, 36.1168

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.5037, 18.3050, 25.4796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1773, 17.9360, 36.1168 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(123, 110, 161)` looks like.

```
.text, #text, p{  
    color:rgb(123, 110, 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(123, 110, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 110, 161) }
```

Border

The CSS property to change the border of an element to XYZ 20.1773, 17.9360, 36.1168 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(123, 110, 161) }
```


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

```
.border{ border-color:rgb(123, 110, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 110, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 110, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 110, 161);  
box-shadow:4px 4px 4px 4px rgb(123, 110,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1773, 17.9360, 36.1168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 110, 161) }
```

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

```
.background{ background-color: rgb(123,  
110, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor