

Converting Colors

XYZ(20.2396, 17.3498, 35.8387)

Have a look what the booklet for
XYZ(20.2396, 17.3498, 35.8387)
contains.

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Color

**XYZ(20.3395, 17.3933,
36.0035)**

Conversions

Conversions Part 1

Format	Color
Hex	7F6AA1
RGB	127, 106, 161
RGB Percent	50%, 42%, 63%
CMY	0.5020, 0.5843, 0.3686
CMYK	0.21, 0.34, 0.00, 0.37
HSL	263°, 23%, 52%
HSV	263°, 34%, 63%
XYZ	20.3395, 17.3933, 36.0035
YIQ	118.5490, -5.1390, 21.5570

Conversions

Conversions Part 2

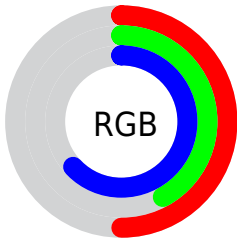
Format	Color
R_{YB}	127, 106, 161
Decimal	8350369
CIE _{Lab}	48.75, 19.97, -26.66
CIE _{LCh}	49, 33.307, 306.830
Yxy	17.3933, 0.2758, 0.2359
Android (android.graphics.Color)	4286540449 (0xFF7F6AA1)
YUV	118.5490, 20.9283, 7.4115
Hunter-Lab	41.7053, 14.0695, -21.9904

Details

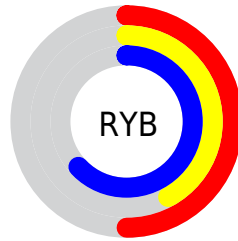
The XYZ color **20.3395, 17.3933, 36.0035** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.1620, 32.1062, 18.4546**, and the grayscale version is **17.3301, 18.2326, 19.8553**.

A 20% lighter version of the original color is **43.5077, 38.8956, 70.1802**, and **7.3339, 5.7080, 15.1832** is the 20% darker color. If you saturate the color by 10%, you get **17.4238, 13.6544, 35.4358**, and if you desaturate by 10%, it is **23.7143, 21.8320, 36.6827**.

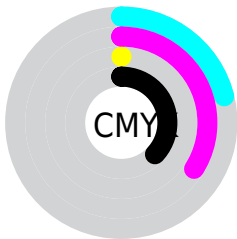
Distribution



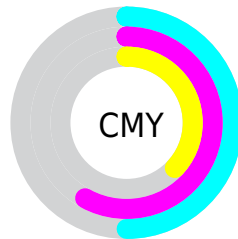
- Red (50%)
- Green (42%)
- Blue (63%)



- Red (50%)
- Yellow (42%)
- Blue (63%)



- Cyan (21%)
- Magenta (34%)
- Yellow (0%)
- Black (37%)



- Cyan (50%)
- Magenta (58%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3395, 17.3933, 36.0035 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 20.3395, 17.3933, 36.0035 by changing the saturation by 10% instead.

■ 20.3395, 17.3933,
36.0035

■ 20.3395, 17.3933,
36.0035

246.5458,
237.4288, 344.0137

■ 12.7518, 10.5153,
24.1472

■ 43.4853, 39.0008,
70.2066

■ 7.3337, 5.7419,
15.2296

■ 59.7740, 54.4990,
93.3904

■ 3.7198, 2.6888,
8.8323

■ 79.6938, 73.6395,
121.1872

■ 1.5449, 0.9715,
4.5366

■ 103.6100, 96.8066,
154.0154

■ 0.3561, 0.0000,
1.9241

131.8879,
124.3846, 192.2936

■ 0.0000, 0.0000,
0.5080

164.8930,

■ 0.0000, 0.0000,

156.7581, 236.4404

0.0000

202.9905,
194.3113, 286.8742

■ 20.3395, 17.3933,
36.0035

■ 20.3395, 17.3933,
36.0035

■ 17.4238, 13.6544,
35.4358

■ 23.7143, 21.8320,
36.6827

■ 14.9437, 10.5762,
34.9724

■ 27.5667, 27.0029,
37.4777

■ 12.8763, 8.1187,
34.6070

■ 31.9161, 32.9385,
38.3942

■ 11.1954, 6.2365,
34.3323

■ 36.7803, 39.6690,
39.4369

■ 9.8714, 4.8779,
34.1398

■ 42.1762, 47.2229,
40.6106

■ 8.8695, 3.9808,
34.0194

■ 48.1200, 55.6271,
41.9195

■ 8.3869, 3.5804,
33.9676

■ 54.6270, 64.9074,
43.3678

■ 61.7121, 75.0884,
44.9595

■ 69.3895, 86.1939,
46.6984

Harmonies

Analogous

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



17.2457, 17.3933, 41.2462



20.3395, 17.3933, 36.0035



22.5918, 17.3933, 26.4212

Triad

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



20.3395, 17.3933, 36.0035



18.9716, 17.3933, 7.2385



11.3240, 17.3933, 21.0265

Complementary

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



20.3395, 17.3933, 36.0035



26.1620, 32.1062, 18.4546

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.



11.6658, 17.3933, 13.0213



20.3395, 17.3933, 36.0035



15.8379, 17.3933, 6.6015

Square

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



20.3395, 17.3933, 36.0035



21.7361, 17.3933, 10.4864



13.2317, 17.3933, 8.3530



12.2326, 17.3933, 31.0246

Rectangle

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



20.3395, 17.3933, 36.0035



23.1734, 17.3933, 19.8913



13.2317, 17.3933, 8.3530



11.2985, 17.3933, 18.0164

Sweetspot

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



20.3401, 17.3940, 36.0039



52.3551, 52.4152, 67.7443



21.8778, 24.6386, 37.3212



11.2621, 11.1958, 14.8111



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.



20.3401, 17.3940, 36.0039



32.3801, 25.9443, 63.6877



24.8506, 19.7193, 36.2150



6.9442, 6.9856, 8.8854



6.7409, 2.8815, 27.1307



0.1933, 0.0872, 0.5725

Inverse Universe

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



24.5861, 19.7792, 27.3333



41.3243, 30.9766, 45.0654



22.2000, 30.0637, 18.2691



7.2491, 7.1561, 8.2983



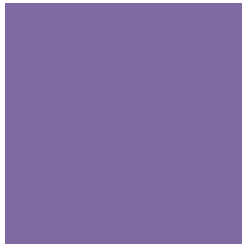
13.5780, 6.7873, 10.2342



0.3073, 0.1514, 0.3307

Previews

White Background



This preview shows how the XYZ color 20.3395, 17.3933, 36.0035 looks on a white background.

Color Contrast Check

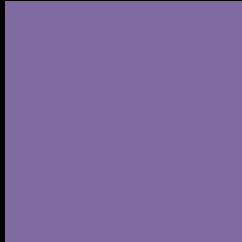
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3395, 17.3933, 36.0035 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 20.3395, 17.3933, 36.0035

Background



This preview shows how black text looks on a background with the XYZ color 20.3395, 17.3933, 36.0035.



This preview shows how white text looks on a background with the XYZ color 20.3395, 17.3933,

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

20.3395, 17.3933, 36.0035

Protanopia

18.1380, 17.4773, 38.9767

Deuteranopia

17.7548, 17.3626, 35.2164



Tritanopia

17.3382, 17.4578, 21.1948

Trichromacy



Original Color

20.3395, 17.3933, 36.0035

Protanomaly

18.7826, 17.3367, 37.9537

Deuteranomaly

18.5851, 17.2865, 35.6148

Tritanomaly

18.3682, 17.3860, 26.0546

Monochromacy



Original Color

20.3395, 17.3933, 36.0035

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.3464, 17.8934, 25.0411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3395, 17.3933, 36.0035 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(127, 106, 161)` looks like.

```
.text, #text, p{  
    color:rgb(127, 106, 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(127, 106, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 106, 161) }
```

Border

The CSS property to change the border of an element to XYZ 20.3395, 17.3933, 36.0035 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(127, 106, 161) }
```


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

```
.border{ border-color:rgb(127, 106, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 106, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 106, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 106, 161);  
box-shadow:4px 4px 4px 4px rgb(127, 106,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3395, 17.3933, 36.0035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 106, 161) }
```

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

```
.background{ background-color: rgb(127,  
106, 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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