

Converting Colors

XYZ(20.6872, 17.8136, 34.2467)

Have a look what the booklet for
XYZ(20.6872, 17.8136, 34.2467)
contains.

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Color

**XYZ(20.7036, 17.7750,
34.2380)**

Conversions

Conversions Part 1

Format	Color
Hex	836B9D
RGB	131, 107, 157
RGB Percent	51%, 42%, 62%
CMY	0.4863, 0.5804, 0.3843
CMYK	0.17, 0.32, 0.00, 0.38
HSL	269°, 20%, 52%
HSV	269°, 32%, 62%
XYZ	20.7036, 17.7750, 34.2380
YIQ	119.8760, -1.7460, 20.6380

Conversions

Conversions Part 2

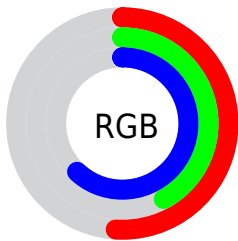
Format	Color
R_{YB}	131, 107, 157
Decimal	8612765
CIE _{Lab}	49.22, 19.71, -23.55
CIE _{LCh}	49, 30.712, 309.931
Yxy	17.7750, 0.2847, 0.2444
Android (android.graphics.Color)	4286802845 (0xFF836B9D)
YUV	119.8760, 18.3021, 9.7557
Hunter-Lab	42.1604, 13.8748, -18.6365

Details

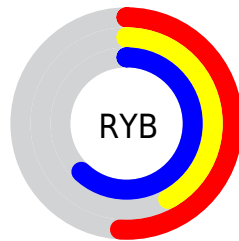
The XYZ color **20.7036, 17.7750, 34.2380** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.3841, 30.1624, 18.4474**, and the grayscale version is **17.7573, 18.6821, 20.3448**.

A 20% lighter version of the original color is **44.2894, 39.8640, 67.6476**, and **7.5071, 5.8972, 14.1072** is the 20% darker color. If you saturate the color by 10%, you get **17.9981, 14.1674, 33.6845**, and if you desaturate by 10%, it is **23.8072, 22.0299, 34.8960**.

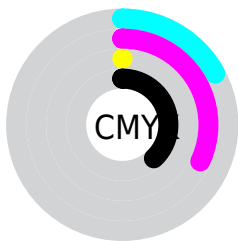
Distribution



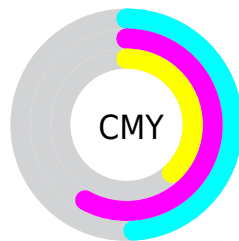
- Red (51%)
- Green (42%)
- Blue (62%)



- Red (51%)
- Yellow (42%)
- Blue (62%)



- Cyan (17%)
- Magenta (32%)
- Yellow (0%)
- Black (38%)



- Cyan (49%)
- Magenta (58%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7036, 17.7750, 34.2380 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 20.7036, 17.7750, 34.2380 by changing the saturation by 10% instead.

■ 20.7036, 17.7750,
34.2380

■ 20.7036, 17.7750,
34.2380

248.4607,
239.5998, 335.9935

■ 13.0187, 10.7886,
22.7977

■ 44.0887, 39.6536,
67.4417

■ 7.5185, 5.9248,
14.2403

■ 60.5197, 55.3145,
90.0422

■ 3.8376, 2.7994,
8.1473

■ 80.5968, 74.6357,
117.1998

■ 1.6107, 1.0279,
4.1002

■ 104.6852, 98.0016,
149.3330

■ 0.3994, 0.0000,
1.6805

133.1505,
125.7965, 186.8605

■ 0.0000, 0.0000,
0.3473

166.3580,

■ 0.0000, 0.0000,

158.4049, 230.2007

0.0000

204.6729,
196.2112, 279.7722

■ 20.7036, 17.7750,
34.2380

■ 20.7036, 17.7750,
34.2380

■ 17.9981, 14.1674,
33.6845

■ 23.8072, 22.0299,
34.8960

■ 15.6704, 11.1714,
33.2289

■ 27.3241, 26.9607,
35.6624

■ 13.7013, 8.7514,
32.8656

■ 31.2710, 32.5970,
36.5423

■ 12.0685, 6.8668,
32.5879

■ 35.6630, 38.9661,
37.5401

■ 10.7473, 5.4717,
32.3883

■ 40.5144, 46.0936,
38.6602

■ 9.7085, 4.5118,
32.2577

■ 45.8389, 54.0039,
39.9064

■ 9.0158, 3.9448,
32.1848

■ 51.6497, 62.7205,
41.2826

■ 57.9592, 72.2656,
42.7925

■ 64.7795, 82.6607,
44.4394

Harmonies

Analogous

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



17.8676, 17.7750, 39.5525



20.7036, 17.7750, 34.2380



22.6472, 17.7750, 25.3213

Triad

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



20.7036, 17.7750, 34.2380



18.8667, 17.7750, 7.9536



12.0065, 17.7750, 22.2196

Complementary

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



20.7036, 17.7750, 34.2380



24.3841, 30.1624, 18.4474

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.



12.2093, 17.7750, 14.4065



20.7036, 17.7750, 34.2380



15.9576, 17.7750, 7.5594

Square

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



20.7036, 17.7750, 34.2380



21.5060, 17.7750, 10.8557



13.5840, 17.7750, 9.5630



12.9945, 17.7750, 31.4208

Rectangle

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



20.7036, 17.7750, 34.2380



23.0584, 17.7750, 19.3730



13.5840, 17.7750, 9.5630



11.9405, 17.7750, 19.3349

Sweetspot

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



20.7042, 17.7757, 34.2384



50.0490, 49.8637, 64.1135



20.6289, 22.5189, 35.1579



10.8198, 10.6983, 14.0651



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7042, 17.7757, 34.2384



33.6674, 27.2640, 60.6147



24.9256, 19.9519, 34.4360



6.5725, 6.5836, 8.3310



7.3648, 3.2257, 26.1417



0.1803, 0.0827, 0.4697

Inverse Universe

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



23.3965, 19.3776, 24.6979



39.3799, 30.6644, 40.3008



20.9771, 28.4060, 18.2880



6.7698, 6.7009, 7.6392



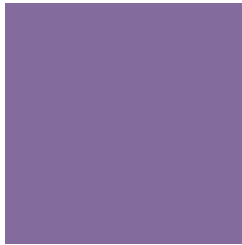
12.5378, 6.3197, 7.0828



0.2455, 0.1215, 0.2390

Previews

White Background



This preview shows how the XYZ color 20.7036, 17.7750, 34.2380 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 20.7036, 17.7750, 34.2380 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 20.7036, 17.7750, 34.2380

Background



This preview shows how black text looks on a background with the XYZ color 20.7036, 17.7750, 34.2380.



This preview shows how white text looks on a background with the XYZ color 20.7036, 17.7750,

34.2380.

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

20.7036, 17.7750, 34.2380

Protanopia

18.3111, 17.7666, 37.5862

Deuteranopia

18.1105, 17.7538, 33.4826



Tritanopia

18.0499, 17.8247, 21.2281

Trichromacy



Original Color

20.7036, 17.7750, 34.2380

Protanomaly

19.0372, 17.6723, 36.1259

Deuteranomaly

18.9974, 17.7016, 33.8680

Tritanomaly

18.8100, 17.6302, 25.3332

Monochromacy



Original Color

20.7036, 17.7750, 34.2380

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.6766, 18.2400, 24.7266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7036, 17.7750, 34.2380 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(131, 107, 157)` looks like.

```
.text, #text, p{  
    color:rgb(131, 107, 157)  
}
```

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(131, 107, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 107, 157) }
```

Border

The CSS property to change the border of an element to XYZ 20.7036, 17.7750, 34.2380 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(131, 107, 157) }
```


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

```
.border{ border-color:rgb(131, 107, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 107, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 107, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 107, 157);  
box-shadow:4px 4px 4px 4px rgb(131, 107,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7036, 17.7750, 34.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 107, 157) }
```

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

```
.background{ background-color: rgb(131,  
107, 157) }
```

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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