

Converting Colors

XYZ(19.9962, 16.9813, 35.7808)

Have a look what the booklet for
XYZ(19.9962, 16.9813, 35.7808)
contains.

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Color

**XYZ(19.9875, 16.9095,
35.9286)**

Conversions

Conversions Part 1

Format	Color
Hex	7E68A1
RGB	126, 104, 161
RGB Percent	49%, 41%, 63%
CMY	0.5059, 0.5921, 0.3686
CMYK	0.22, 0.35, 0.00, 0.37
HSL	263°, 23%, 52%
HSV	263°, 35%, 63%
XYZ	19.9875, 16.9095, 35.9286
YIQ	117.0760, -5.1850, 22.3910

Conversions

Conversions Part 2

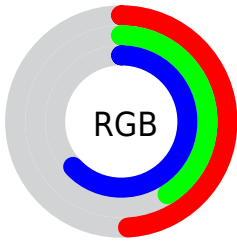
Format	Color
R_{YB}	126, 104, 161
Decimal	8284321
CIE _{Lab}	48.15, 20.84, -27.61
CIE _{LCh}	48, 34.593, 307.050
Yxy	16.9095, 0.2745, 0.2322
Android (android.graphics.Color)	4286474401 (0xFF7E68A1)
YUV	117.0760, 21.6545, 7.8263
Hunter-Lab	41.1212, 14.8003, -23.0184

Details

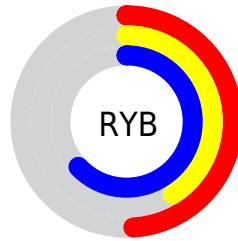
The XYZ color **19.9875, 16.9095, 35.9286** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.8916, 31.9786, 17.9053**, and the grayscale version is **16.8688, 17.7472, 19.3267**.

A 20% lighter version of the original color is **42.9384, 38.1039, 70.0574**, and **7.2039, 5.5669, 15.1628** is the 20% darker color. If you saturate the color by 10%, you get **17.1326, 13.2577, 35.3745**, and if you desaturate by 10%, it is **23.2970, 21.2558, 36.5934**.

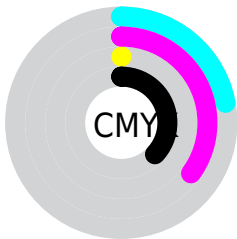
Distribution



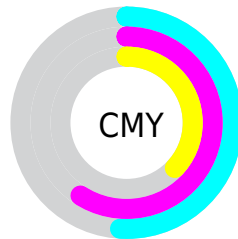
- Red (49%)
- Green (41%)
- Blue (63%)



- Red (49%)
- Yellow (41%)
- Blue (63%)



- Cyan (22%)
- Magenta (35%)
- Yellow (0%)
- Black (37%)



- Cyan (51%)
- Magenta (59%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9875, 16.9095, 35.9286 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 19.9875, 16.9095, 35.9286 by changing the saturation by 10% instead.

■ 19.9875, 16.9095,
35.9286

■ 19.9875, 16.9095,
35.9286

244.6823,
234.6503, 343.6763

■ 12.4942, 10.1700,
24.0898

■ 42.9003, 38.1701,
70.0897

■ 7.1558, 5.5118,
15.1874

■ 59.0505, 53.4600,
93.2490

■ 3.6069, 2.5506,
8.8030

■ 78.8171, 72.3688,
121.0189

■ 1.4822, 0.9019,
4.5178

■ 102.5653, 95.2809,
153.8180

■ 0.3137, 0.0000,
1.9135

130.6606,
122.5807, 192.0647

■ 0.0000, 0.0000,
0.5013

163.4683,

■ 0.0000, 0.0000,

154.6526, 236.1776

0.0000

201.3537,
191.8810, 286.5753

■ 19.9875, 16.9095,
35.9286

■ 19.9875, 16.9095,
35.9286

■ 17.1326, 13.2577,
35.3745

■ 23.2970, 21.2558,
36.5934

■ 14.7088, 10.2607,
34.9238

■ 27.0797, 26.3291,
37.3732

■ 12.6929, 7.8783,
34.5702

■ 31.3552, 32.1623,
38.2738

■ 11.0585, 6.0644,
34.3062

■ 36.1411, 38.7856,
39.3000

■ 9.7756, 4.7662,
34.1232

■ 41.4547, 46.2277,
40.4564

■ 8.8066, 3.9161,
34.0102

■ 47.3118, 54.5157,
41.7475

■ 8.4284, 3.6019,
33.9695

■ 53.7281, 63.6755,
43.1773

■ 60.7182, 73.7318,
44.7500

■ 68.2965, 84.7085,
46.4692

Harmonies

Analogous

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



16.8238, 16.9095, 41.4306



19.9875, 16.9095, 35.9286



22.2915, 16.9095, 26.0031

Triad

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



19.9875, 16.9095, 35.9286



18.5408, 16.9095, 6.6448



10.7977, 16.9095, 20.6145

Complementary

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



19.9875, 16.9095, 35.9286



25.8916, 31.9786, 17.9053

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.



11.1324, 16.9095, 12.4633



19.9875, 16.9095, 35.9286



15.3429, 16.9095, 6.0374

Square

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



19.9875, 16.9095, 35.9286



21.3833, 16.9095, 9.8407



12.7044, 16.9095, 7.7787



11.7222, 16.9095, 30.9059

Rectangle

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



19.9875, 16.9095, 35.9286



22.8805, 16.9095, 19.3150



12.7044, 16.9095, 7.7787



10.7689, 16.9095, 17.5368

Sweetspot

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



19.9881, 16.9102, 35.9290



51.6003, 51.3669, 67.5817



21.3969, 24.0256, 37.2281



11.1097, 10.9837, 14.7782



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.



19.9881, 16.9102, 35.9290



31.9431, 25.3365, 63.5934



24.7770, 19.3790, 36.1531



6.9469, 6.9870, 8.8856



6.7743, 2.8987, 27.1323



0.1942, 0.0876, 0.5725

Inverse Universe

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



24.3090, 19.3425, 26.8791



40.9520, 30.4155, 44.3753



21.7557, 29.8465, 17.7118



7.2479, 7.1556, 8.2919



13.5526, 6.7771, 10.1005



0.3068, 0.1512, 0.3284

Previews

White Background



This preview shows how the XYZ color 19.9875, 16.9095, 35.9286 looks on a white background.

Color Contrast Check

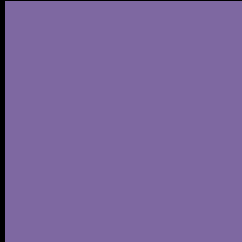
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9875, 16.9095, 35.9286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

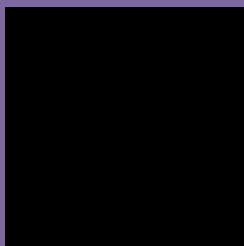
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9875, 16.9095, 35.9286

Background



This preview shows how black text looks on a background with the XYZ color 19.9875, 16.9095, 35.9286.



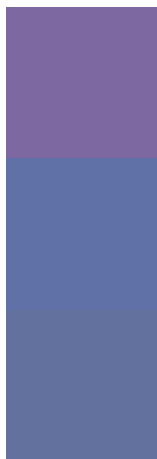
This preview shows how white text looks on a background with the XYZ color 19.9875, 16.9095,

35.9286.

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

19.9875, 16.9095, 35.9286

Protanopia

17.7969, 17.1242, 39.4131

Deuteranopia

17.3087, 16.9661, 35.1634



Tritanopia

16.8531, 16.8908, 20.4611

Trichromacy



Original Color

19.9875, 16.9095, 35.9286

Protanomaly

18.4309, 16.9943, 37.9061

Deuteranomaly

18.2278, 16.9411, 35.5670

Tritanomaly

17.9386, 16.8524, 25.5999

Monochromacy



Original Color

19.9875, 16.9095, 35.9286

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.7735, 17.2749, 24.5879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9875, 16.9095, 35.9286 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(126, 104, 161)` looks like.

```
.text, #text, p{  
    color:rgb(126, 104, 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(126, 104, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 104, 161) }
```

Border

The CSS property to change the border of an element to XYZ 19.9875, 16.9095, 35.9286 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(126, 104, 161) }
```


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

```
.border{ border-color:rgb(126, 104, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 104, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 104, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 104, 161);  
box-shadow:4px 4px 4px 4px rgb(126, 104,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9875, 16.9095, 35.9286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 104, 161) }
```

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

```
.background{ background-color: rgb(126,  
104, 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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