

Converting Colors

XYZ(12.0329, 10.6888, 22.0594)

Have a look what the booklet for
XYZ(12.0329, 10.6888, 22.0594)
contains.

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Color

**XYZ(12.0096, 10.6735,
22.1961)**

Conversions

Conversions Part 1

Format	Color
Hex	5F5681
RGB	95, 86, 129
RGB Percent	37%, 34%, 51%
CMY	0.6274, 0.6627, 0.4941
CMYK	0.26, 0.33, 0.00, 0.49
HSL	253°, 20%, 42%
HSV	253°, 33%, 51%
XYZ	12.0096, 10.6735, 22.1961
YIQ	93.5930, -8.4390, 15.2810

Conversions

Conversions Part 2

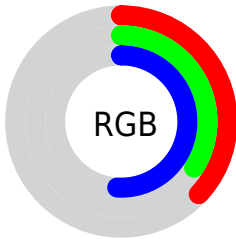
Format	Color
R_{YB}	95, 86, 129
Decimal	6248065
CIE _{Lab}	39.03, 13.72, -22.84
CIE _{LCh}	39, 26.642, 301.003
Yxy	10.6735, 0.2676, 0.2378
Android (android.graphics.Color)	4284438145 (0xFF5F5681)
YUV	93.5930, 17.4557, 1.2339
Hunter-Lab	32.6703, 8.4435, -17.4122

Details

The XYZ color **12.0096, 10.6735, 22.1961** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.2760, 20.3657, 11.8250**, and the grayscale version is **10.5054, 11.0525, 12.0362**.

A 20% lighter version of the original color is **29.1017, 27.0967, 47.9523**, and **3.4132, 2.7694, 7.9441** is the 20% darker color. If you saturate the color by 10%, you get **10.0801, 8.2856, 21.8371**, and if you desaturate by 10%, it is **14.2645, 13.5057, 22.6241**.

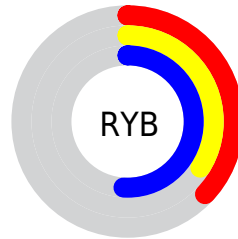
Distribution



Red (37%)

Green (34%)

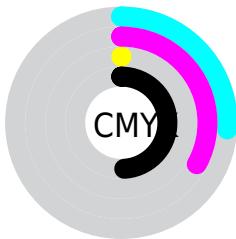
Blue (51%)



Red (37%)

Yellow (34%)

Blue (51%)

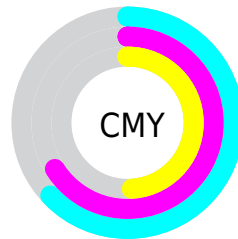


Cyan (26%)

Magenta (33%)

Yellow (0%)

Black (49%)



Cyan (63%)

Magenta (66%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0096, 10.6735, 22.1961 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 12.0096, 10.6735, 22.1961 by changing the saturation by 10% instead.

■ 12.0096, 10.6735,
22.1961

■ 12.0096, 10.6735,
22.1961

■ 198.2374,
195.4137, 276.5555

■ 6.8225, 5.8477,
13.8014

■ 29.1293, 27.0548,
47.9762

■ 3.3967, 2.7527,
7.8455

■ 41.7926, 39.3792,
66.1987

■ 1.3668, 1.0040,
3.9099

■ 57.6786, 54.9718,
88.5342

■ 0.2324, 0.0000,
1.5760

■ 77.1527, 74.2172,
115.4012

■ 0.0000, 0.0000,
0.2736

■ 100.5803, 97.4997,
147.2183

■ 0.0000, 0.0000,
0.0000

128.3267,

125.2036, 184.4040

160.7573,
157.7135, 227.3769

■ 12.0096, 10.6735,
22.1961

■ 12.0096, 10.6735,
22.1961

■ 10.0801, 8.2856,
21.8371

■ 14.2645, 13.5057,
22.6241

■ 8.4596, 6.3178,
21.5427

■ 16.8581, 16.8019,
23.1236

■ 7.1317, 4.7458,
21.3092

■ 19.8041, 20.5824,
23.6981

■ 6.0783, 3.5420,
21.1324

■ 23.1152, 24.8657,
24.3503

■ 5.2788, 2.6755,
21.0073

■ 26.8036, 29.6696,
25.0832

■ 4.7090, 2.1084,
20.9278

■ 30.8807, 35.0106,
25.8992

■ 4.4145, 1.8180,
20.8873

■ 35.3575, 40.9050,
26.8010

■ 40.2446, 47.3679,
27.7909

■ 45.5522, 54.4141,
28.8712

Harmonies

Analogous

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



10.2048, 10.6735, 24.4171



12.0096, 10.6735, 22.1961



13.4384, 10.6735, 17.0435

Triad

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



12.0096, 10.6735, 22.1961



11.8940, 10.6735, 4.9892



7.0962, 10.6735, 11.7938

Complementary

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



12.0096, 10.6735, 22.1961



17.2760, 20.3657, 11.8250

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.



7.4388, 10.6735, 7.4921



12.0096, 10.6735, 22.1961



10.0851, 10.6735, 4.3236

Square

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



12.0096, 10.6735, 22.1961



13.3664, 10.6735, 7.2728



8.4839, 10.6735, 5.0874



7.4876, 10.6735, 17.4294

Rectangle

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



12.0096, 10.6735, 22.1961



13.9100, 10.6735, 13.2211



8.4839, 10.6735, 5.0874



7.1290, 10.6735, 10.1567

Sweetspot

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



12.0100, 10.6739, 22.1963



31.7544, 32.0910, 41.7130



14.5652, 17.0931, 23.3007



7.0520, 7.0902, 9.4152



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.0100, 10.6739, 22.1963



18.8271, 15.7914, 39.2482



14.5063, 11.9609, 22.3132



4.1865, 4.2517, 5.4133



4.3072, 1.7741, 20.3654



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.7715, 12.6792, 19.3856



26.7143, 20.0014, 33.1161



14.6650, 19.0197, 11.7028



4.4608, 4.3975, 5.2311



11.1669, 5.4865, 12.7345



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.0096, 10.6735, 22.1961 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 12.0096, 10.6735, 22.1961 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 12.0096, 10.6735, 22.1961

Background



This preview shows how black text looks on a background with the XYZ color 12.0096, 10.6735, 22.1961.

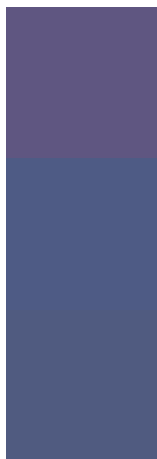


This preview shows how white text looks on a background with the XYZ color 12.0096, 10.6735,

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

12.0096, 10.6735, 22.1961

Protanopia

11.1166, 10.7953, 23.6881

Deuteranopia

10.9456, 10.7462, 21.9194



Tritanopia

10.1991, 10.6790, 13.3281

Trichromacy



Original Color

12.0096, 10.6735, 22.1961

Protanomaly

11.3934, 10.6955, 23.2937

Deuteranomaly

11.2150, 10.6346, 21.8837

Tritanomaly

10.7850, 10.6623, 16.2414

Monochromacy



Original Color

12.0096, 10.6735, 22.1961

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.0110, 10.9234, 15.4380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0096, 10.6735, 22.1961 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(95, 86, 129) looks like.

```
.text, #text, p{  
    color:rgb(95, 86, 129)  
}
```

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(95, 86, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 86, 129) }
```

Border

The CSS property to change the border of an element to XYZ 12.0096, 10.6735, 22.1961 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(95, 86, 129) }
```


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

```
.border{ border-color:rgb(95, 86, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 86, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 86, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 86, 129);  
box-shadow:4px 4px 4px 4px rgb(95, 86,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0096, 10.6735, 22.1961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 86, 129) }
```

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

```
.background{ background-color: rgb(95, 86,  
129) }
```

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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