

Converting Colors

XYZ(22.7378, 20.6003, 13.5517)

Have a look what the booklet for
XYZ(22.7378, 20.6003, 13.5517)
contains.

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Color

**XYZ(22.6935, 20.5613,
13.5991)**

Conversions

Conversions Part 1

Format	Color
Hex	A0735F
RGB	160, 115, 95
RGB Percent	63%, 45%, 37%
CMY	0.3725, 0.5490, 0.6274
CMYK	0.00, 0.28, 0.41, 0.37
HSL	18°, 25%, 50%
HSV	18°, 41%, 63%
XYZ	22.6935, 20.5613, 13.5991
YIQ	126.1750, 33.2400, 3.3200

Conversions

Conversions Part 2

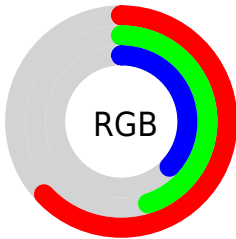
Format	Color
R_{YB}	160, 124, 95
Decimal	10515295
CIE _{Lab}	52.47, 15.08, 18.07
CIE _{LCh}	52, 23.535, 50.166
Yxy	20.5613, 0.3992, 0.3617
Android (android.graphics.Color)	4288705375 (0xFFA0735F)
YUV	126.1750, -15.3693, 29.6645
Hunter-Lab	45.3446, 9.9805, 13.9598

Details

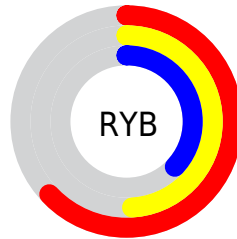
The XYZ color **22.6935, 20.5613, 13.5991** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.4421, 23.7261, 36.7598**, and the grayscale version is **19.9340, 20.9721, 22.8386**.

A 20% lighter version of the original color is **47.3259, 44.3117, 33.2528**, and **8.6249, 7.3619, 3.8721** is the 20% darker color. If you saturate the color by 10%, you get **20.8516, 17.9243, 9.7581**, and if you desaturate by 10%, it is **24.8376, 23.5636, 18.2783**.

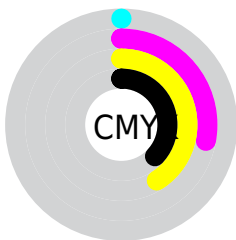
Distribution



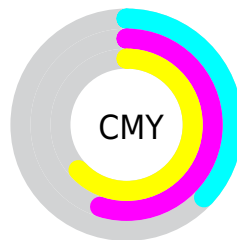
- Red (63%)
- Green (45%)
- Blue (37%)



- Red (63%)
- Yellow (49%)
- Blue (37%)



- Cyan (0%)
- Magenta (28%)
- Yellow (41%)
- Black (37%)





- Cyan (37%)
- Magenta (55%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.6935, 20.5613, 13.5991 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 22.6935, 20.5613, 13.5991 by changing the saturation by 10% instead.


 22.6935, 20.5613,
13.5991


 22.6935, 20.5613,
13.5991

258.7117,
254.9378, 226.0634


 14.4868, 12.8037,
7.7068


 47.3599, 44.3563,
33.0828


 8.5440, 7.2935,
3.8229


 64.5504, 61.1624,
47.5113

 4.4997, 3.6463,
1.5287

 85.4661, 81.7536,
65.6223

 1.9885, 1.4778,
0.2391

 110.4725,
106.5141, 87.8343

 0.6275, 0.2730,
0.0000

139.9349,
135.8284, 114.5659

 0.0000, 0.0000,
0.0000

174.2186,

170.0808, 146.2355

213.6891,
209.6558, 183.2619

■ 22.6935, 20.5613,
13.5991

■ 22.6935, 20.5613,
13.5991

■ 20.8516, 17.9243,
9.7581

■ 24.8376, 23.5636,
18.2783

■ 19.2958, 15.6353,
6.7037

■ 27.2959, 26.9417,
23.8406

■ 18.0108, 13.6797,
4.3806

■ 30.0816, 30.7095,
30.3290

■ 16.9788, 12.0410,
2.7257

■ 33.2065, 34.8793,
37.7835

■ 16.1797, 10.7006,
1.6646

■ 36.6820, 39.4625,
46.2416

■ 15.6056, 9.6903,
1.0479

■ 40.5189, 44.4705,
55.7388

■ 44.7274, 49.9138,
66.3090

■ 49.3174, 55.8030,
77.9844

■ 54.2984, 62.1479,
90.7959

Harmonies

Analogous

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



24.2686, 20.5613, 18.0815



22.6935, 20.5613, 13.5991



20.3524, 20.5613, 11.6162

Triad

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



22.6935, 20.5613, 13.5991



15.2886, 20.5613, 20.1777



21.1995, 20.5613, 37.4565

Complementary

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



22.6935, 20.5613, 13.5991



20.4421, 23.7261, 36.7598

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.



18.7552, 20.5613, 38.3430



22.6935, 20.5613, 13.5991



15.4743, 20.5613, 27.3285

Square

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



22.6935, 20.5613, 13.5991



16.1679, 20.5613, 14.8591



16.6983, 20.5613, 34.3249



23.3576, 20.5613, 32.1073

Rectangle

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



22.6935, 20.5613, 13.5991



18.7292, 20.5613, 11.6249



16.6983, 20.5613, 34.3249



20.3798, 20.5613, 38.3237

Sweetspot

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



22.6940, 20.5623, 13.5995



53.7658, 54.6118, 53.0592



23.3601, 17.5664, 27.1642



11.6547, 11.7927, 11.3154



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.



22.6940, 20.5623, 13.5995



38.0711, 32.8505, 18.1453



26.9965, 29.1673, 15.0337



6.7913, 6.9626, 6.9716



12.1918, 7.6192, 0.8281



0.2530, 0.2063, 0.0265

Inverse Universe

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



20.4421, 23.7261, 36.7598



33.3759, 39.3812, 66.2288



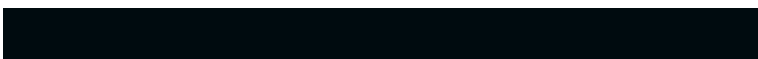
16.4272, 15.6963, 35.4215



6.6495, 7.1647, 8.4391



9.3907, 10.8730, 27.5110



0.2034, 0.2654, 0.5037

Previews

White Background



This preview shows how the XYZ color 22.6935, 20.5613, 13.5991 looks on a white background.

Color Contrast Check

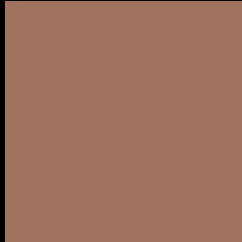
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.6935, 20.5613, 13.5991 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 22.6935, 20.5613, 13.5991

Background



This preview shows how black text looks on a background with the XYZ color 22.6935, 20.5613, 13.5991.



This preview shows how white text looks on a background with the XYZ color 22.6935, 20.5613,

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

22.6935, 20.5613, 13.5991

Protanopia

19.3067, 20.5739, 15.0102

Deuteranopia

20.9496, 20.5370, 13.4495



Tritanopia

24.0846, 20.6258, 20.4811

Trichromacy



Original Color

22.6935, 20.5613, 13.5991

Protanomaly

20.3697, 20.3962, 14.4185

Deuteranomaly

21.4477, 20.4404, 13.4047

Tritanomaly

23.4723, 20.5350, 17.7655

Monochromacy



Original Color

22.6935, 20.5613, 13.5991

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.5353, 20.5601, 19.1058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6935, 20.5613, 13.5991 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(160, 115, 95)` looks like.

```
.text, #text, p{  
    color:rgb(160, 115, 95)  
}
```

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(160, 115, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 115, 95) }
```

Border

The CSS property to change the border of an element to XYZ 22.6935, 20.5613, 13.5991 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(160, 115, 95) }
```


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

```
.border{ border-color:rgb(160, 115, 95) }
```

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

Here you see how a box with a 4 pixel rgb(160, 115, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 115, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 115, 95);  
box-shadow:4px 4px 4px 4px rgb(160, 115,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6935, 20.5613, 13.5991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 115, 95) }
```

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

```
.background{ background-color: rgb(160,  
115, 95) }
```

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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