

Converting Colors

XYZ(31.0963, 22.3970, 21.9017)

Have a look what the booklet for
XYZ(31.0963, 22.3970, 21.9017)
contains.

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Color

**XYZ(30.9602, 22.3053,
21.7424)**

Conversions

Conversions Part 1

Format	Color
Hex	C4647C
RGB	196, 100, 124
RGB Percent	77%, 39%, 49%
CMY	0.2314, 0.6078, 0.5137
CMYK	0.00, 0.49, 0.37, 0.23
HSL	345°, 45%, 58%
HSV	345°, 49%, 77%
XYZ	30.9602, 22.3053, 21.7424
YIQ	131.4400, 49.5120, 27.8160

Conversions

Conversions Part 2

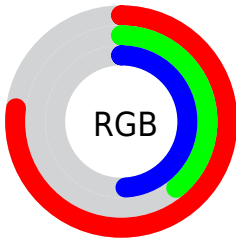
Format	Color
R_{YB}	196, 100, 124
Decimal	12870780
CIE Lab	54.35, 40.80, 4.39
CIE LCh	54, 41.032, 6.146
Yxy	22.3053, 0.4128, 0.2974
Android (android.graphics.Color)	4291060860 (0xFFC4647C)
YUV	131.4400, -3.6679, 56.6191
Hunter-Lab	47.2285, 34.3642, 5.7648

Details

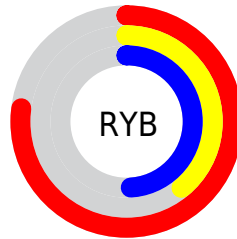
The XYZ color **30.9602, 22.3053, 21.7424** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **32.4429, 45.1682, 46.0405**, and the grayscale version is **21.7317, 22.8635, 24.8983**.

A 20% lighter version of the original color is **60.4677, 47.1771, 46.9934**, and **13.0158, 8.1936, 7.5521** is the 20% darker color. If you saturate the color by 10%, you get **28.4399, 18.6433, 16.6524**, and if you desaturate by 10%, it is **34.0725, 26.9294, 27.7140**.

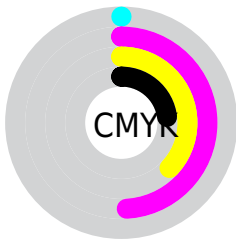
Distribution



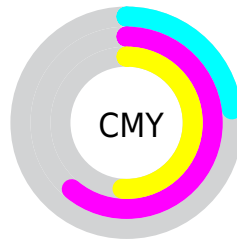
- Red (77%)
- Green (39%)
- Blue (49%)



- Red (77%)
- Yellow (39%)
- Blue (49%)



- Cyan (0%)
- Magenta (49%)
- Yellow (37%)
- Black (23%)





- Cyan (23%)
- Magenta (61%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9602, 22.3053, 21.7424 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 30.9602, 22.3053, 21.7424 by changing the saturation by 10% instead.


 30.9602, 22.3053,
21.7424


 30.9602, 22.3053,
21.7424


298.1851,
264.1365, 274.1075

 20.7202, 14.0814,
13.4712


 60.5537, 47.2501,
47.2166


 13.0309, 8.1773,
7.6193


 80.6379, 64.7397,
65.2567

 7.5270, 4.2086,
3.7681


 104.7342, 86.0868,
87.3902

 3.8431, 1.7909,
1.4990

 133.2080,
111.6756, 114.0356

 1.6137, 0.4815,
0.2172

166.4246,
141.8906, 145.6115

 0.4013, 0.0000,
0.0000

204.7495,

 0.0000, 0.0000,

177.1161, 182.5365

0.0000

248.5478,
217.7366, 225.2290

■ 30.9602, 22.3053,
21.7424

■ 30.9602, 22.3053,
21.7424

■ 28.4399, 18.6433,
16.6524

■ 34.0725, 26.9294,
27.7140

■ 26.4707, 15.8715,
12.3996

■ 37.8104, 32.5738,
34.6060

■ 25.0093, 13.9136,
8.9373


■ 42.2072, 39.2962,
42.4564


■ 24.0043, 12.6786,
6.2132


■ 47.2930, 47.1489,
51.3007


■ 23.3732, 12.0139,
4.1612

■ 53.0962, 56.1808,
61.1723

 23.3192, 11.9575,
3.9839

 59.6437, 66.4380,
72.1032

 66.9608, 77.9641,
84.1241

 74.4929, 89.6429,
97.0713

 76.5750, 90.4758,
108.0354

Harmonies

Analogous

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



30.0859, 22.3053, 35.6805



30.9602, 22.3053, 21.7424



28.9373, 22.3053, 12.4564

Triad

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



30.9602, 22.3053, 21.7424



16.5186, 22.3053, 9.3252



17.9070, 22.3053, 54.5226

Complementary

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



30.9602, 22.3053, 21.7424



32.4429, 45.1682, 46.0405

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.



14.9825, 22.3053, 41.9188



30.9602, 22.3053, 21.7424



14.2633, 22.3053, 15.6203

Square

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



30.9602, 22.3053, 21.7424



20.2924, 22.3053, 7.0990



13.7433, 22.3053, 27.0221



22.1353, 22.3053, 57.9594

Rectangle

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



30.9602, 22.3053, 21.7424



26.3654, 22.3053, 9.0297



13.7433, 22.3053, 27.0221



16.7584, 22.3053, 51.0445

Sweetspot

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



30.9608, 22.3064, 21.7428



79.7587, 76.2650, 82.6925



31.5351, 21.8717, 54.7842



16.6630, 15.6943, 16.9849



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



30.9608, 22.3064, 21.7428



51.1402, 33.2294, 29.3717



32.2736, 27.0723, 15.5825



10.1742, 10.1183, 11.0078



15.0132, 7.6950, 2.7155



0.6774, 0.3440, 0.2686

Inverse Universe

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



30.9608, 22.3064, 21.7428



51.1402, 33.2294, 29.3717



29.9727, 36.2007, 57.6323



10.1742, 10.1183, 11.0078



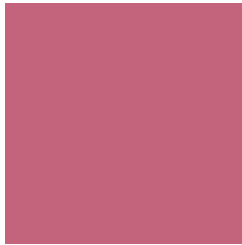
15.0132, 7.6950, 2.7155



0.6774, 0.3440, 0.2686

Previews

White Background



This preview shows how the XYZ color 30.9602, 22.3053, 21.7424 looks on a white background.

Color Contrast Check

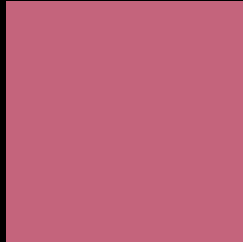
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.9602, 22.3053, 21.7424 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 30.9602, 22.3053, 21.7424

Background



This preview shows how black text looks on a background with the XYZ color 30.9602, 22.3053, 21.7424.



This preview shows how white text looks on a background with the XYZ color 30.9602, 22.3053,

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

30.9602, 22.3053, 21.7424

Protanopia

21.9963, 22.6342, 28.4088

Deuteranopia

22.8836, 22.4808, 20.9024



Tritanopia

30.1704, 22.4284, 17.4908

Trichromacy



Original Color

30.9602, 22.3053, 21.7424

Protanomaly

24.2964, 21.8129, 25.8514

Deuteranomaly

25.3295, 22.1024, 21.0203

Tritanomaly

30.3516, 22.3426, 18.9325

Monochromacy



Original Color

30.9602, 22.3053, 21.7424

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

24.1303, 21.9600, 23.3890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9602, 22.3053, 21.7424 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(196, 100, 124)` looks like.

```
.text, #text, p{  
    color:rgb(196, 100, 124)  
}
```

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(196, 100, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 100, 124) }
```

Border

The CSS property to change the border of an element to XYZ 30.9602, 22.3053, 21.7424 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(196, 100, 124) }
```


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

```
.border{ border-color:rgb(196, 100, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 100, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 100, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 100, 124);  
box-shadow:4px 4px 4px 4px rgb(196, 100,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9602, 22.3053, 21.7424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 100, 124) }
```

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

```
.background{ background-color: rgb(196,  
100, 124) }
```

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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