

Converting Colors

XYZ(31.6975, 22.8084, 14.7107)

Have a look what the booklet for
XYZ(31.6975, 22.8084, 14.7107)
contains.

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Color

**XYZ(31.7593, 22.8718,
14.7974)**

Conversions

Conversions Part 1

Format	Color
Hex	CC6464
RGB	204, 100, 100
RGB Percent	80%, 39%, 39%
CMY	0.2000, 0.6078, 0.6078
CMYK	0.00, 0.51, 0.51, 0.20
HSL	0°, 50%, 60%
HSV	0°, 51%, 80%
XYZ	31.7593, 22.8718, 14.7974
YIQ	131.0960, 61.9840, 22.0480

Conversions

Conversions Part 2

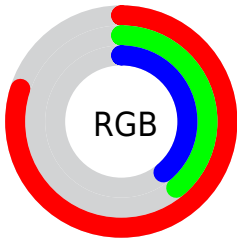
Format	Color
R_{YB}	204, 100, 100
Decimal	13395044
CIE Lab	54.94, 41.19, 19.48
CIE LCh	55, 45.561, 25.318
Yxy	22.8718, 0.4574, 0.3294
Android (android.graphics.Color)	4291585124 (0xFFCC6464)
YUV	131.0960, -15.3303, 63.9368
Hunter-Lab	47.8245, 34.8456, 15.1322

Details

The XYZ color **31.7593, 22.8718, 14.7974** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **37.7463, 50.2522, 64.8369**, and the grayscale version is **21.6459, 22.7732, 24.8000**.

A 20% lighter version of the original color is **58.2171, 46.2768, 35.1421**, and **13.3766, 8.3907, 4.2827** is the 20% darker color. If you saturate the color by 10%, you get **29.1751, 19.0906, 9.6595**, and if you desaturate by 10%, it is **35.0817, 27.7338, 21.4013**.

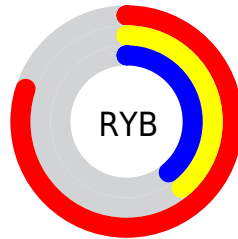
Distribution



Red (80%)

Green (39%)

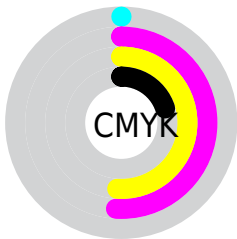
Blue (39%)



Red (80%)

Yellow (39%)

Blue (39%)

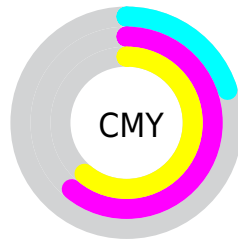


Cyan (0%)

Magenta (51%)

Yellow (51%)

Black (20%)



Cyan (20%)


Magenta (61%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7593, 22.8718, 14.7974 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 31.7593, 22.8718, 14.7974 by changing the saturation by 10% instead.


 31.7593, 22.8718,
14.7974


 31.7593, 22.8718,
14.7974


301.7861,
267.0659, 233.7350


 21.3324, 14.4989,
8.5323


 61.8013, 48.1827,
35.2346


 13.4810, 8.4684,
4.3448


 82.1471, 65.8895,
50.2438

 7.8399, 4.3961,
1.8163


 106.5299, 87.4764,
69.0048

 4.0436, 1.8975,
0.4387

 135.3150,
113.3278, 91.9360

 1.7268, 0.5469,
0.0000

168.8678,
143.8280, 119.4562

 0.4730, 0.0000,
0.0000

207.5537,

 0.0000, 0.0000,

179.3615, 151.9837

0.0000

251.7380,
220.3126, 189.9371

■ 31.7593, 22.8718,
14.7974

■ 31.7593, 22.8718,
14.7974

■ 29.1751, 19.0906,
9.6595

■ 35.0817, 27.7338,
21.4013

■ 27.2711, 16.3046,
5.8748

■ 39.1907, 33.7465,
29.5698

■ 25.9840, 14.4211,
3.3162

■ 44.1329, 40.9784,
39.3947

■ 25.2373, 13.3284,
1.8321

■ 49.9506, 49.4914,
50.9601

■ 24.9019, 12.8376,
1.1654

■ 56.6833, 59.3432,
64.3445

■ 64.3680, 70.5880,
79.6215

■ 73.0398, 83.2772,
96.8609

■ 78.7118, 91.5774,
108.1354

Harmonies

Analogous

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



32.9335, 22.8718, 27.2449



31.7593, 22.8718, 14.7974



27.7505, 22.8718, 8.3126

Triad

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



31.7593, 22.8718, 14.7974



14.6872, 22.8718, 12.1871



20.9554, 22.8718, 64.2129

Complementary

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



31.7593, 22.8718, 14.7974



37.7463, 50.2522, 64.8369

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.



16.6651, 22.8718, 55.5148



31.7593, 22.8718, 14.7974



13.4210, 22.8718, 22.7002

Square

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



31.7593, 22.8718, 14.7974



17.8425, 22.8718, 7.2667



14.0849, 22.8718, 38.8013



26.1650, 22.8718, 59.4823

Rectangle

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



31.7593, 22.8718, 14.7974



24.2961, 22.8718, 6.5178



14.0849, 22.8718, 38.8013



19.3679, 22.8718, 62.6910

Sweetspot

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



31.7599, 22.8730, 14.7978



78.4808, 75.7547, 75.9610



40.3581, 26.3115, 60.0782



16.3598, 15.5732, 15.3873



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.



31.7599, 22.8730, 14.7978



48.0191, 31.1802, 15.4050



38.4304, 36.2141, 17.0213



11.2124, 11.2138, 11.6530



15.6736, 8.0802, 0.7335



0.8086, 0.4169, 0.0378

Inverse Universe

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



37.7463, 50.2522, 64.8369



59.0023, 81.4130, 107.2123



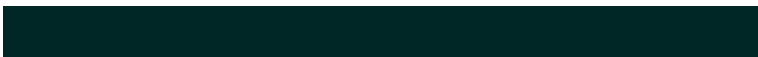
27.3830, 29.5256, 61.3825



11.5433, 12.7270, 14.4185



20.4493, 29.9226, 40.6541



1.0550, 1.5437, 2.0973

Previews

White Background



This preview shows how the XYZ color 31.7593, 22.8718, 14.7974 looks on a white background.

Color Contrast Check

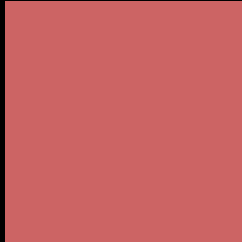
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7593, 22.8718, 14.7974 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 31.7593, 22.8718, 14.7974

Background



This preview shows how black text looks on a background with the XYZ color 31.7593, 22.8718, 14.7974.



This preview shows how white text looks on a background with the XYZ color 31.7593, 22.8718,

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

31.7593, 22.8718, 14.7974

Protanopia

21.8270, 23.1436, 19.5364

Deuteranopia

23.4310, 22.9160, 14.0148



Tritanopia

31.9652, 22.8017, 16.3521

Trichromacy



Original Color

31.7593, 22.8718, 14.7974

Protanomaly

24.4312, 22.2401, 17.7570

Deuteranomaly

25.9745, 22.5843, 14.2995

Tritanomaly

31.8624, 22.7605, 15.8106

Monochromacy



Original Color

31.7593, 22.8718, 14.7974

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

24.2072, 22.0581, 20.7511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7593, 22.8718, 14.7974 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(204, 100, 100)` looks like.

```
.text, #text, p{  
    color:rgb(204, 100, 100)  
}
```

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(204, 100, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 100, 100) }
```

Border

The CSS property to change the border of an element to XYZ 31.7593, 22.8718, 14.7974 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(204, 100, 100) }
```


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

```
.border{ border-color:rgb(204, 100, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 100, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 100, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 100, 100);  
box-shadow:4px 4px 4px 4px rgb(204, 100,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7593, 22.8718, 14.7974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 100, 100) }
```

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

```
.background{ background-color: rgb(204,  
100, 100) }
```

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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