

Converting Colors

XYZ(29.8243, 21.8640, 5.3291)

Have a look what the booklet for
XYZ(29.8243, 21.8640, 5.3291)
contains.

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Color

**XYZ(29.7826, 21.7780,
5.3232)**

Conversions

Conversions Part 1

Format	Color
Hex	CC622F
RGB	204, 98, 47
RGB Percent	80%, 38%, 18%
CMY	0.2000, 0.6157, 0.8157
CMYK	0.00, 0.52, 0.77, 0.20
HSL	19°, 63%, 49%
HSV	19°, 77%, 80%
XYZ	29.7826, 21.7780, 5.3232
YIQ	123.8800, 79.5470, 6.6110

Conversions

Conversions Part 2

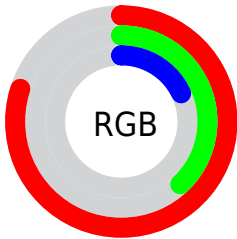
Format	Color
RYB	204, 123, 47
Decimal	13394479
CIELab	53.79, 38.79, 47.20
CIElCh	54, 61.090, 50.587
Yxy	21.7780, 0.5236, 0.3829
Android (android.graphics.Color)	4291584559 (0xFFCC622F)
YUV	123.8800, -37.9018, 70.2652
Hunter-Lab	46.6669, 32.2508, 25.9037

Details

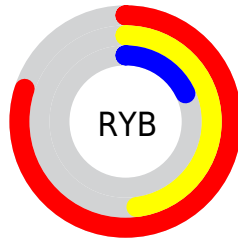
The XYZ color **29.7826, 21.7780, 5.3232** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **23.4616, 27.7444, 61.2449**, and the grayscale version is **19.2227, 20.2237, 22.0236**.

A 20% lighter version of the original color is **54.4179, 44.2377, 16.7369**, and **12.3442, 7.8727, 0.8690** is the 20% darker color. If you saturate the color by 10%, you get **28.2834, 19.2917, 3.2459**, and if you desaturate by 10%, it is **31.6967, 24.7871, 8.4874**.

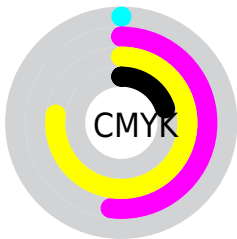
Distribution



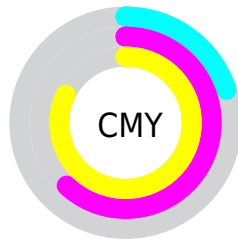
- Red (80%)
- Green (38%)
- Blue (18%)



- Red (80%)
- Yellow (48%)
- Blue (18%)



- Cyan (0%)
- Magenta (52%)
- Yellow (77%)
- Black (20%)





- Cyan (20%)
- Magenta (62%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7826, 21.7780, 5.3232 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 29.7826, 21.7780, 5.3232 by changing the saturation by 10% instead.


 29.7826, 21.7780,
5.3232


 29.7826, 21.7780,
5.3232


292.8178,
261.3847, 161.9596


 19.8209, 13.6939,
2.3761


 58.7072, 46.3788,
16.9618


 12.3724, 7.9081,
0.7734


 78.4008, 63.6643,
26.4904


 7.0718, 4.0362,
0.0000


 102.0690, 84.7856,
39.0499

 3.5538, 1.6938,
0.0000

 130.0773,
110.1273, 55.0588

 1.4529, 0.4196,
0.0000

 162.7910,
140.0736, 74.9357

 0.2935, 0.0000,
0.0000

 200.5754,

 0.0000, 0.0000,

175.0091, 99.0991

0.0000

243.7959,
215.3180, 127.9675

■ 29.7826, 21.7780,
5.3232

■ 29.7826, 21.7780,
5.3232

■ 28.2834, 19.2917,
3.2459

■ 31.6967, 24.7871,
8.4874

■ 27.1548, 17.2892,
2.0840

■ 34.0585, 28.3459,
12.8657

■ 26.8660, 16.7659,
1.8202

■ 36.8988, 32.4835,
18.5688

■ 40.2447, 37.2258,
25.6944

■ 44.1213, 42.5967,
34.3309

■ 48.5519, 48.6190,
44.5594

■ 53.5582, 55.3143,
56.4553

■ 59.1609, 62.7031,
70.0890

■ 65.3794, 70.8048,
85.5271

Harmonies

Analogous

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



34.8912, 21.7780, 13.1451



29.7826, 21.7780, 5.3232



22.8310, 21.7780, 2.9488

Triad

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



29.7826, 21.7780, 5.3232



10.5844, 21.7780, 18.2828



25.4579, 21.7780, 76.1367

Complementary

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



29.7826, 21.7780, 5.3232



23.4616, 27.7444, 61.2449

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.



18.7047, 21.7780, 80.1673



29.7826, 21.7780, 5.3232



10.9960, 21.7780, 38.8143

Square

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



29.7826, 21.7780, 5.3232



12.4051, 21.7780, 7.3794



13.6807, 21.7780, 63.9913



32.0509, 21.7780, 54.8282

Rectangle

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



29.7826, 21.7780, 5.3232



18.4677, 21.7780, 2.9810



13.6807, 21.7780, 63.9913



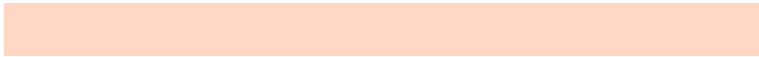
23.1039, 21.7780, 79.8781

Sweetspot

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



29.7831, 21.7792, 5.3236



75.6472, 74.0685, 62.7433



31.7746, 17.2130, 32.3435



15.6400, 15.0996, 12.1696



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.



29.7831, 21.7792, 5.3236



45.6092, 29.7907, 4.0270



40.7869, 43.7867, 8.9915



11.5050, 11.7989, 11.7505



16.9857, 10.7043, 1.1709



0.9453, 0.6902, 0.0834

Inverse Universe

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



23.4616, 27.7444, 61.2449



34.4234, 39.5263, 100.4228



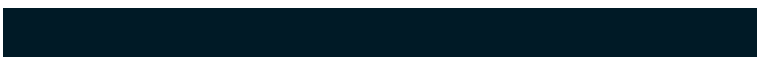
14.6410, 10.1032, 58.3047



11.2241, 12.0887, 14.3121



12.6433, 14.3106, 38.0521



0.7194, 0.8725, 1.9854

Previews

White Background



This preview shows how the XYZ color 29.7826, 21.7780, 5.3232 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 29.7826, 21.7780, 5.3232 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 29.7826, 21.7780, 5.3232

Background



This preview shows how black text looks on a background with the XYZ color 29.7826, 21.7780, 5.3232.



This preview shows how white text looks on a background with the XYZ color 29.7826, 21.7780,

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

29.7826, 21.7780, 5.3232

Protanopia

20.0657, 21.9153, 6.9139

Deuteranopia

22.3663, 22.0005, 5.0752



Tritanopia

31.5329, 21.6770, 14.3265

Trichromacy



Original Color

29.7826, 21.7780, 5.3232

Protanomaly

22.8469, 21.3209, 6.2793

Deuteranomaly

24.5848, 21.5562, 5.1505

Tritanomaly

30.6275, 21.5637, 10.1374

Monochromacy



Original Color

29.7826, 21.7780, 5.3232

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

21.3789, 19.8783, 13.7764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7826, 21.7780, 5.3232 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, 98, 47)` looks like.

```
.text, #text, p{  
    color:rgb(204, 98, 47)  
}
```

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, 98, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 98, 47) }
```

Border

The CSS property to change the border of an element to XYZ 29.7826, 21.7780, 5.3232 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, 98, 47) }
```


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

```
.border{ border-color:rgb(204, 98, 47) }
```

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

Here you see how a box with a 4 pixel rgb(204, 98, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 98, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 98, 47);  
box-shadow:4px 4px 4px 4px rgb(204, 98,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7826, 21.7780, 5.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 98, 47) }
```

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

```
.background{ background-color: rgb(204, 98,  
47) }
```

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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