

Converting Colors

XYZ(28.8502, 21.5832, 5.1280)

Have a look what the booklet for
XYZ(28.8502, 21.5832, 5.1280)
contains.

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Color

**XYZ(28.8502, 21.5832,
5.1280)**

Conversions

Conversions Part 1

Format	Color
Hex	C8642D
RGB	200, 100, 45
RGB Percent	78%, 39%, 18%
CMY	0.2157, 0.6078, 0.8235
CMYK	0.00, 0.50, 0.77, 0.22
HSL	21°, 63%, 48%
HSV	21°, 77%, 78%
XYZ	28.8502, 21.5832, 5.1280
YIQ	123.6300, 77.2550, 4.0950

Conversions

Conversions Part 2

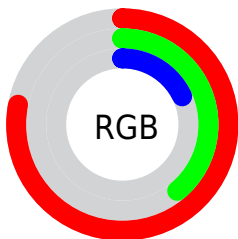
Format	Color
R_{YB}	200, 130, 45
Decimal	13132845
CIE _{Lab}	53.58, 36.10, 47.74
CIE _{LCh}	54, 59.857, 52.903
Yxy	21.5832, 0.5192, 0.3885
Android (android.graphics.Color)	4291322925 (0xFFC8642D)
YUV	123.6300, -38.7646, 66.9765
Hunter-Lab	46.4577, 29.5473, 25.9760

Details

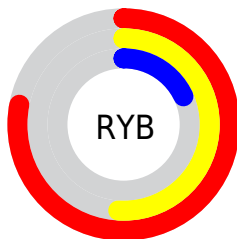
The XYZ color **28.8502, 21.5832, 5.1280** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **21.6319, 24.9769, 58.3239**, and the grayscale version is **19.1426, 20.1395, 21.9319**.

A 20% lighter version of the original color is **54.4886, 44.5246, 16.3119**, and **11.9558, 7.8567, 0.8863** is the 20% darker color. If you saturate the color by 10%, you get **27.4113, 19.1828, 3.1777**, and if you desaturate by 10%, it is **30.6684, 24.4509, 8.1043**.

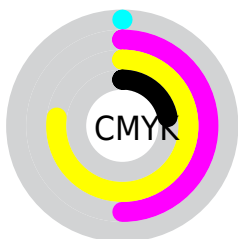
Distribution



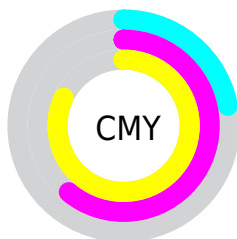
- Red (78%)
- Green (39%)
- Blue (18%)



- Red (78%)
- Yellow (51%)
- Blue (18%)



- Cyan (0%)
- Magenta (50%)
- Yellow (77%)
- Black (22%)





- Cyan (22%)
- Magenta (61%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8502, 21.5832, 5.1280 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 28.8502, 21.5832, 5.1280 by changing the saturation by 10% instead.


 28.8502, 21.5832,
5.1280


 28.8502, 21.5832,
5.1280


288.5145,
260.3618, 160.0411


 19.1112, 13.5510,
2.2625


 57.2382, 46.0561,
16.5374


 11.8552, 7.8090,
0.7101


 76.6180, 63.2656,
25.9185

 6.7166, 3.9730,
0.0000


 99.9420, 84.3030,
38.3084

 3.3303, 1.6585,
0.0000

 127.5758,
109.5527, 54.1259

 1.3307, 0.3965,
0.0000

 159.8845,
139.3990, 73.7893

 0.2060, 0.0000,
0.0000

 197.2337,

 0.0000, 0.0000,

174.2263, 97.7173

0.0000

239.9885,
214.4192, 126.3284

■ 28.8502, 21.5832,
5.1280

■ 28.8502, 21.5832,
5.1280

■ 27.4113, 19.1828,
3.1777

■ 30.6684, 24.4509,
8.1043

■ 26.3089, 17.2148,
2.0798

■ 32.8957, 27.8087,
12.2284

■ 26.0709, 16.7826,
1.8653

■ 35.5603, 31.6817,
17.6059

■ 38.6870, 36.0921,
24.3298

■ 42.2986, 41.0606,
32.4846

■ 46.4162, 46.6067,
42.1474

■ 51.0598, 52.7492,
53.3899

■ 56.2480, 59.5056,
66.2792

■ 61.9986, 66.8929,
80.8786

Harmonies

Analogous

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



34.0359, 21.5832, 12.2971



28.8502, 21.5832, 5.1280



22.0695, 21.5832, 3.0244

Triad

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



28.8502, 21.5832, 5.1280



10.5804, 21.5832, 19.4167



25.6750, 21.5832, 73.0777

Complementary

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



28.8502, 21.5832, 5.1280



21.6319, 24.9769, 58.3239

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.



19.0337, 21.5832, 78.5421



28.8502, 21.5832, 5.1280



11.1526, 21.5832, 40.0199

Square

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



28.8502, 21.5832, 5.1280



12.1943, 21.5832, 8.0280



13.9618, 21.5832, 64.2040



31.9530, 21.5832, 51.7434

Rectangle

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



28.8502, 21.5832, 5.1280



17.8920, 21.5832, 3.1849



13.9618, 21.5832, 64.2040



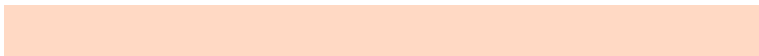
23.3808, 21.5832, 77.1673

Sweetspot

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



28.8507, 21.5844, 5.1284



76.0988, 74.9716, 62.8938



29.9265, 16.2237, 28.6464



15.7478, 15.3151, 12.2055



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.



28.8507, 21.5844, 5.1284



46.1003, 30.8078, 4.0826



39.9655, 43.8141, 8.8333



10.9367, 11.2426, 11.1564



16.6541, 10.8253, 1.2117



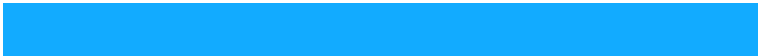
0.8569, 0.6492, 0.0801

Inverse Universe

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



21.6319, 24.9769, 58.3239



32.8294, 36.4127, 99.9058



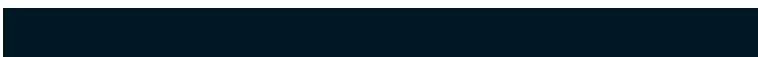
13.5898, 8.8927, 55.6432



10.6178, 11.4097, 13.5602



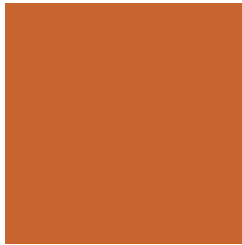
11.7093, 12.8126, 36.6003



0.6209, 0.7396, 1.7552

Previews

White Background



This preview shows how the XYZ color 28.8502, 21.5832, 5.1280 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 28.8502, 21.5832, 5.1280 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 28.8502, 21.5832, 5.1280

Background



This preview shows how black text looks on a background with the XYZ color 28.8502, 21.5832, 5.1280.



This preview shows how white text looks on a background with the XYZ color 28.8502, 21.5832,

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

28.8502, 21.5832, 5.1280

Protanopia

19.8206, 21.7972, 6.5308

Deuteranopia

22.0073, 21.6361, 4.8500



Tritanopia

30.9803, 21.6415, 14.8563

Trichromacy



Original Color

28.8502, 21.5832, 5.1280

Protanomaly

22.3640, 21.0797, 5.9077

Deuteranomaly

24.0967, 21.3087, 4.9408

Tritanomaly

30.0252, 21.5164, 10.3552

Monochromacy



Original Color

28.8502, 21.5832, 5.1280

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

21.1452, 19.7631, 13.5267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8502, 21.5832, 5.1280 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(200, 100, 45)` looks like.

```
.text, #text, p{  
    color:rgb(200, 100, 45)  
}
```

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(200, 100, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 100, 45) }
```

Border

The CSS property to change the border of an element to XYZ 28.8502, 21.5832, 5.1280 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(200, 100, 45) }
```


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

```
.border{ border-color:rgb(200, 100, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 100, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 100, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 100, 45);  
box-shadow:4px 4px 4px 4px rgb(200, 100,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8502, 21.5832, 5.1280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 100, 45) }
```

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

```
.background{ background-color: rgb(200,  
100, 45) }
```

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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