

Converting Colors

XYZ(28.6877, 20.2785, 7.3441)

Have a look what the booklet for
XYZ(28.6877, 20.2785, 7.3441)
contains.

XYZ(28.7826, 20.2813, 7.3987)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.7826, 20.2813,
7.3987)**

Conversions

Conversions Part 1

Format	Color
Hex	C95B41
RGB	201, 91, 65
RGB Percent	79%, 36%, 25%
CMY	0.2118, 0.6431, 0.7451
CMYK	0.00, 0.55, 0.68, 0.21
HSL	11°, 56%, 52%
HSV	11°, 68%, 79%
XYZ	28.7826, 20.2813, 7.3987
YIQ	120.9260, 73.9060, 15.2340

Conversions

Conversions Part 2

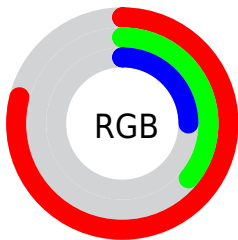
Format	Color
R_{YB}	201, 97, 65
Decimal	13196097
CIE _{Lab}	52.15, 42.00, 35.89
CIE _{LCh}	52, 55.246, 40.519
Yxy	20.2813, 0.5098, 0.3592
Android (android.graphics.Color)	4291386177 (0xFFC95B41)
YUV	120.9260, -27.5715, 70.2249
Hunter-Lab	45.0348, 35.2720, 21.7837

Details

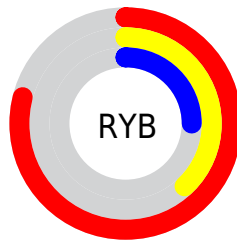
The XYZ color **28.7826, 20.2813, 7.3987** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **28.0514, 35.9984, 60.7279**, and the grayscale version is **18.2202, 19.1691, 20.8752**.

A 20% lighter version of the original color is **54.2505, 42.4214, 21.2484**, and **11.8363, 7.1643, 1.4208** is the 20% darker color. If you saturate the color by 10%, you get **27.0582, 17.6045, 4.4445**, and if you desaturate by 10%, it is **31.0161, 23.6453, 11.5446**.

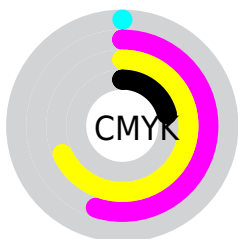
Distribution



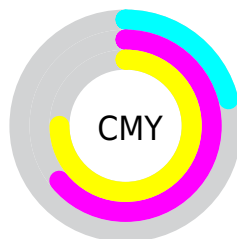
- Red (79%)
- Green (36%)
- Blue (25%)



- Red (79%)
- Yellow (38%)
- Blue (25%)



- Cyan (0%)
- Magenta (55%)
- Yellow (68%)
- Black (21%)





- Cyan (21%)
- Magenta (64%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7826, 20.2813, 7.3987 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 28.7826, 20.2813, 7.3987 by changing the saturation by 10% instead.

 28.7826, 20.2813,
7.3987


 28.7826, 20.2813,
7.3987


288.2006,
253.4339, 180.6914


 19.0599, 12.5997,
3.6305


 57.1315, 43.8883,
21.2973

 11.8178, 7.1535,
1.4249


 76.4883, 60.5825,
32.2647

 6.6911, 3.5583,
0.1610


 99.7872, 81.0496,
46.4690

 3.3143, 1.4297,
0.0000

 127.3936,
105.6742, 64.3286

 1.3220, 0.2384,
0.0000

 159.6728,
134.8405, 86.2621

 0.1996, 0.0000,
0.0000

 196.9901,

 0.0000, 0.0000,

168.9329, 112.6880

0.0000

239.7109,
208.3359, 144.0249

■ 28.7826, 20.2813,
7.3987

■ 28.7826, 20.2813,
7.3987

■ 27.0582, 17.6045,
4.4445

■ 31.0161, 23.6453,
11.5446

■ 25.7987, 15.5629,
2.5527

■ 33.7950, 27.7367,
16.9913

■ 24.9494, 14.1006,
1.5417

■ 37.1536, 32.5966,
23.8365

■ 24.7944, 13.8316,
1.3630

■ 41.1230, 38.2620,
32.1683

■ 45.7320, 44.7674,
42.0674

■ 51.0077, 52.1455,
53.6088

■ 56.9754, 60.4270,
66.8627

■ 63.6592, 69.6411,
81.8950

■ 71.0819, 79.8158,
98.7683

Harmonies

Analogous

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



32.0686, 20.2813, 16.8709



28.7826, 20.2813, 7.3987



23.1360, 20.2813, 3.8113

Triad

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



28.7826, 20.2813, 7.3987



10.7342, 20.2813, 13.2390



21.3311, 20.2813, 69.0433

Complementary

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



28.7826, 20.2813, 7.3987



28.0514, 35.9984, 60.7279

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.



15.8725, 20.2813, 66.3846



28.7826, 20.2813, 7.3987



10.4392, 20.2813, 28.2710

Square

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



28.7826, 20.2813, 7.3987



13.0391, 20.2813, 5.8596



12.1348, 20.2813, 49.1295



27.2411, 20.2813, 55.2313

Rectangle

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



28.7826, 20.2813, 7.3987



19.1785, 20.2813, 3.2852



12.1348, 20.2813, 49.1295



19.3754, 20.2813, 70.1657

Sweetspot

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



28.7831, 20.2824, 7.3990



76.1230, 73.5874, 67.3184



33.8207, 19.3354, 43.0583



15.8056, 15.0628, 13.3592



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.



28.7831, 20.2824, 7.3990



45.2682, 28.4478, 5.9503



37.2569, 37.2301, 10.2237



10.7953, 10.9597, 11.1092



15.6407, 8.7985, 0.8739



0.7912, 0.5179, 0.0583

Inverse Universe

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



28.0514, 35.9984, 60.7279



43.7191, 56.7171, 103.2510



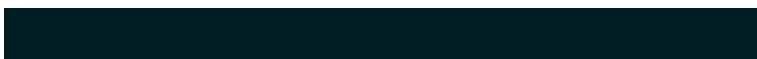
18.0922, 16.0802, 57.4082



10.7677, 11.7095, 13.6101



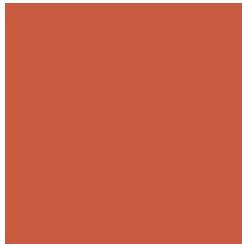
14.8791, 19.1521, 37.6569



0.7501, 0.9981, 1.7983

Previews

White Background



This preview shows how the XYZ color 28.7826, 20.2813, 7.3987 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 28.7826, 20.2813, 7.3987 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 28.7826, 20.2813, 7.3987

Background



This preview shows how black text looks on a background with the XYZ color 28.7826, 20.2813, 7.3987.



This preview shows how white text looks on a background with the XYZ color 28.7826, 20.2813,

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

28.7826, 20.2813, 7.3987

Protanopia

18.8265, 20.4373, 9.9737

Deuteranopia

20.7127, 20.3794, 6.9796



Tritanopia

29.7411, 20.1633, 12.6803

Trichromacy



Original Color

28.7826, 20.2813, 7.3987

Protanomaly

21.6049, 19.7649, 8.9796

Deuteranomaly

23.1055, 19.9321, 7.0444

Tritanomaly

29.4082, 20.1605, 10.5250

Monochromacy



Original Color

28.7826, 20.2813, 7.3987

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

20.5026, 18.5755, 14.8167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7826, 20.2813, 7.3987 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(201, 91, 65)` looks like.

```
.text, #text, p{  
    color:rgb(201, 91, 65)  
}
```

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(201, 91, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 91, 65) }
```

Border

The CSS property to change the border of an element to XYZ 28.7826, 20.2813, 7.3987 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(201, 91, 65) }
```


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

```
.border{ border-color:rgb(201, 91, 65) }
```

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

Here you see how a box with a 4 pixel rgb(201, 91, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 91, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 91, 65);  
box-shadow:4px 4px 4px 4px rgb(201, 91,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7826, 20.2813, 7.3987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 91, 65) }
```

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

```
.background{ background-color: rgb(201, 91,  
65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor