

Converting Colors

XYZ(20.0479, 17.3695, 12.8602)

Have a look what the booklet for
XYZ(20.0479, 17.3695, 12.8602)
contains.

XYZ(20.0075, 17.2810, 12.8707)	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(20.0075, 17.2810,
12.8707)**

Conversions

Conversions Part 1

Format	Color
Hex	99675E
RGB	153, 103, 94
RGB Percent	60%, 40%, 37%
CMY	0.4000, 0.5961, 0.6314
CMYK	0.00, 0.33, 0.39, 0.40
HSL	9°, 24%, 48%
HSV	9°, 39%, 60%
XYZ	20.0075, 17.2810, 12.8707
YIQ	116.9240, 32.6890, 7.8010

Conversions

Conversions Part 2

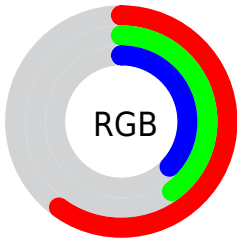
Format	Color
R_{YB}	153, 105, 94
Decimal	10053470
CIE Lab	48.61, 18.93, 13.25
CIE LCh	49, 23.105, 34.979
Yxy	17.2810, 0.3989, 0.3445
Android (android.graphics.Color)	4288243550 (0xFF99675E)
YUV	116.9240, -11.3015, 31.6387
Hunter-Lab	41.5704, 13.1623, 10.7424

Details

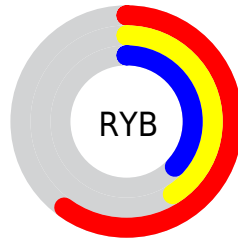
The XYZ color **20.0075, 17.2810, 12.8707** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.3386, 24.6250, 33.8181**, and the grayscale version is **16.9122, 17.7930, 19.3765**.

A 20% lighter version of the original color is **42.8841, 38.6801, 31.5913**, and **7.1552, 5.6551, 3.5107** is the 20% darker color. If you saturate the color by 10%, you get **18.1967, 14.6514, 9.2091**, and if you desaturate by 10%, it is **22.1553, 20.3667, 17.3165**.

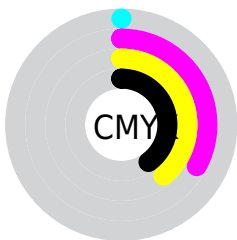
Distribution



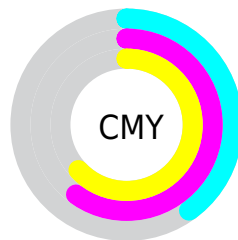
- Red (60%)
- Green (40%)
- Blue (37%)



- Red (60%)
- Yellow (41%)
- Blue (37%)



- Cyan (0%)
- Magenta (33%)
- Yellow (39%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0075, 17.2810, 12.8707 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 20.0075, 17.2810, 12.8707 by changing the saturation by 10% instead.

■ 20.0075, 17.2810,
12.8707

■ 20.0075, 17.2810,
12.8707

244.7885,
236.7865, 221.2660

■ 12.5088, 10.4350,
7.2099

■ 42.9336, 38.8083,
31.7591

■ 7.1658, 5.6883,
3.5133

■ 59.0917, 54.2584,
45.8237

■ 3.6133, 2.6565,
1.3623

■ 78.8670, 73.3453,
63.5267

■ 1.4858, 0.9552,
0.1121

■ 102.6248, 96.4535,
85.2866

■ 0.3161, 0.0000,
0.0000

130.7305,
123.9674, 111.5219

■ 0.0000, 0.0000,
0.0000

163.5495,

156.2712, 142.6513

201.4470,
193.7495, 179.0931

■ 20.0075, 17.2810,
12.8707

■ 20.0075, 17.2810,
12.8707

■ 18.1967, 14.6514,
9.2091

■ 22.1553, 20.3667,
17.3165

■ 16.7044, 12.4538,
6.2850

■ 24.6547, 23.9261,
22.5873

■ 15.5120, 10.6656,
4.0483

■ 27.5212, 27.9790,
28.7225

■ 14.5987, 9.2612,
2.4424

■ 30.7690, 32.5433,
35.7586

■ 13.9408, 8.2120,
1.4014

■ 34.4113, 37.6361,
43.7298

■ 13.5011, 7.4816,
0.7957

■ 38.4608, 43.2734,
52.6688

■ 13.4502, 7.3990,
0.7193

■ 42.9297, 49.4709,
62.6066

■ 47.8297, 56.2435,
73.5728

■ 53.1718, 63.6055,
85.5958

Harmonies

Analogous

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



20.8435, 17.2810, 17.8181



20.0075, 17.2810, 12.8707



18.2155, 17.2810, 10.0760

Triad

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



20.0075, 17.2810, 12.8707



12.9922, 17.2810, 14.2859



16.7824, 17.2810, 33.0557

Complementary

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



20.0075, 17.2810, 12.8707



20.3386, 24.6250, 33.8181

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.



14.7560, 17.2810, 31.5439



20.0075, 17.2810, 12.8707



12.6798, 17.2810, 19.8506

Square

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



20.0075, 17.2810, 12.8707



14.1912, 17.2810, 10.7610



13.2980, 17.2810, 26.3575



18.8819, 17.2810, 30.1316

Rectangle

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



20.0075, 17.2810, 12.8707



16.7855, 17.2810, 9.3969



13.2980, 17.2810, 26.3575



16.0699, 17.2810, 33.0546

Sweetspot

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



20.0079, 17.2818, 12.8710



47.3226, 47.3347, 47.2163



22.1851, 16.7960, 28.5184



10.3168, 10.2648, 10.1421



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.0079, 17.2818, 12.8710



33.0842, 26.9631, 17.4828



23.4561, 24.1781, 14.0204



6.2812, 6.3674, 6.5038



11.1330, 6.1485, 0.6000



0.1834, 0.1259, 0.0146

Inverse Universe

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



20.3386, 24.6250, 33.8181



33.7454, 41.9416, 60.2889



16.4569, 16.8615, 32.5242



6.3043, 6.8659, 7.9220



11.3307, 15.0580, 27.2170



0.1885, 0.2633, 0.4133

Previews

White Background



This preview shows how the XYZ color 20.0075, 17.2810, 12.8707 looks on a white background.

Color Contrast Check

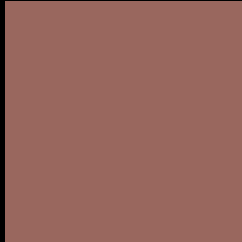
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.0075, 17.2810, 12.8707 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0075, 17.2810, 12.8707

Background



This preview shows how black text looks on a background with the XYZ color 20.0075, 17.2810, 12.8707.

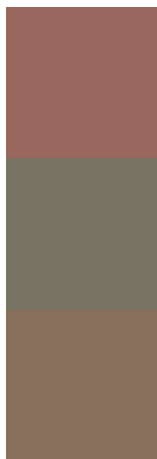


This preview shows how white text looks on a background with the XYZ color 20.0075, 17.2810,

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

20.0075, 17.2810, 12.8707

Protanopia

16.3161, 17.2465, 14.5255

Deuteranopia

17.6079, 17.2925, 12.5350



Tritanopia

20.6869, 17.2601, 16.4286

Trichromacy



Original Color

20.0075, 17.2810, 12.8707

Protanomaly

17.5619, 17.2373, 13.9568

Deuteranomaly

18.4937, 17.2662, 12.7139

Tritanomaly

20.5260, 17.3520, 15.0994

Monochromacy



Original Color

20.0075, 17.2810, 12.8707

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.7604, 17.4383, 16.8979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0075, 17.2810, 12.8707 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(153, 103, 94)` looks like.

```
.text, #text, p{  
  color:rgb(153, 103, 94)  
}
```

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(153, 103, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 103, 94) }
```

Border

The CSS property to change the border of an element to XYZ 20.0075, 17.2810, 12.8707 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(153, 103, 94) }
```


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

```
.border{ border-color:rgb(153, 103, 94) }
```

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

Here you see how a box with a 4 pixel rgb(153, 103, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 103, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 103, 94);  
box-shadow:4px 4px 4px 4px rgb(153, 103,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0075, 17.2810, 12.8707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 103, 94) }
```

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

```
.background{ background-color: rgb(153,  
103, 94) }
```

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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