

Converting Colors

XYZ(20.2570, 17.0690, 8.5303)

Have a look what the booklet for
XYZ(20.2570, 17.0690, 8.5303)
contains.

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Color

**XYZ(20.2570, 17.0690,
8.5303)**

Conversions

Conversions Part 1

Format	Color
Hex	A06449
RGB	160, 100, 73
RGB Percent	63%, 39%, 29%
CMY	0.3725, 0.6078, 0.7137
CMYK	0.00, 0.37, 0.54, 0.37
HSL	19°, 37%, 46%
HSV	19°, 54%, 63%
XYZ	20.2570, 17.0690, 8.5303
YIQ	114.8620, 44.4270, 4.3230

Conversions

Conversions Part 2

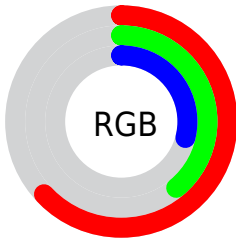
Format	Color
RYB	160, 112, 73
Decimal	10511433
CIELab	48.35, 21.31, 25.36
CIELCh	48, 33.126, 49.969
Yxy	17.0690, 0.4417, 0.3722
Android (android.graphics.Color)	4288701513 (0xFFA06449)
YUV	114.8620, -20.6380, 39.5860
Hunter-Lab	41.3146, 15.2198, 16.6786

Details

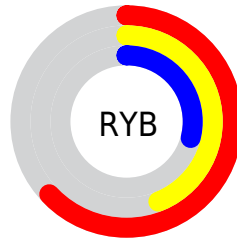
The XYZ color **20.2570, 17.0690, 8.5303** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.4799, 20.7285, 36.3373**, and the grayscale version is **16.3054, 17.1546, 18.6813**.

A 20% lighter version of the original color is **43.1947, 38.2901, 23.5265**, and **7.2633, 5.5431, 1.7857** is the 20% darker color. If you saturate the color by 10%, you get **18.8057, 14.9089, 5.7576**, and if you desaturate by 10%, it is **21.9890, 19.5721, 12.0702**.

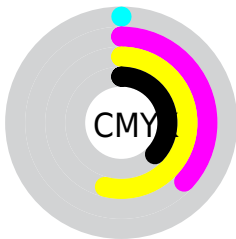
Distribution



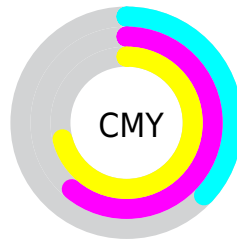
- Red (63%)
- Green (39%)
- Blue (29%)



- Red (63%)
- Yellow (44%)
- Blue (29%)



- Cyan (0%)
- Magenta (37%)
- Yellow (54%)
- Black (37%)





- Cyan (37%)
- Magenta (61%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2570, 17.0690, 8.5303 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 20.2570, 17.0690, 8.5303 by changing the saturation by 10% instead.


 20.2570, 17.0690,
8.5303


 20.2570, 17.0690,
8.5303

246.1102,
235.5697, 189.9214


 12.6913, 10.2837,
4.3435


 43.3483, 38.4444,
23.5548

 7.2919, 5.5875,
1.8156


 59.6047, 53.8032,
35.2295


 3.6933, 2.5959,
0.4382

 79.4886, 72.7887,
50.2374

 1.5301, 0.9246,
0.0000

 103.3656, 95.7853,
68.9968

 0.3462, 0.0000,
0.0000

 131.6009,
123.1772, 91.9264

 0.0000, 0.0000,
0.0000

164.5598,

155.3490, 119.4447

202.6078,
192.6851, 151.9702

■ 20.2570, 17.0690,
8.5303

■ 20.2570, 17.0690,
8.5303

■ 18.8057, 14.9089,
5.7576

■ 21.9890, 19.5721,
12.0702

■ 17.6174, 13.0735,
3.6928

■ 24.0154, 22.4303,
16.4286

■ 16.6741, 11.5466,
2.2697

■ 26.3504, 25.6581,
21.6531

■ 15.9544, 10.3090,
1.4074

■ 29.0070, 29.2685,
27.7878

■ 15.6234, 9.7260,
1.0539

■ 31.9972, 33.2739,
34.8734

■ 35.3325, 37.6859,
42.9484

■ 39.0239, 42.5158,
52.0490

■ 43.0818, 47.7744,
62.2096

■ 47.5160, 53.4721,
73.4629

Harmonies

Analogous

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



22.3232, 17.0690, 13.4598



20.2570, 17.0690, 8.5303



17.2573, 17.0690, 6.5395

Triad

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



20.2570, 17.0690, 8.5303



11.1463, 17.0690, 15.8338



18.2908, 17.0690, 39.0338

Complementary

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



20.2570, 17.0690, 8.5303



17.4799, 20.7285, 36.3373

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.



15.2320, 17.0690, 40.2708



20.2570, 17.0690, 8.5303



11.3505, 17.0690, 24.8702

Square

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



20.2570, 17.0690, 8.5303



12.1673, 17.0690, 9.8022



12.7646, 17.0690, 34.4688



21.0940, 17.0690, 31.4811

Rectangle

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



20.2570, 17.0690, 8.5303



15.2379, 17.0690, 6.5380



12.7646, 17.0690, 34.4688



17.2509, 17.0690, 40.2760

Sweetspot

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



20.2574, 17.0699, 8.5306



51.6890, 51.8202, 48.1679



21.1759, 13.9572, 24.0957



11.1286, 11.0837, 10.0818



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.2574, 17.0699, 8.5306



33.7048, 26.3999, 9.6548



25.4623, 27.4797, 10.2656



6.7927, 6.9653, 6.9721



12.2059, 7.6474, 0.8328



0.2535, 0.2072, 0.0266

Inverse Universe

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



17.4799, 20.7285, 36.3373



28.0855, 33.6377, 65.3990



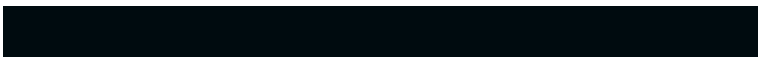
12.7829, 11.3347, 34.7717



6.6480, 7.1618, 8.4387



9.3551, 10.8018, 27.4991



0.2030, 0.2645, 0.5036

Previews

White Background



This preview shows how the XYZ color 20.2570, 17.0690, 8.5303 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 20.2570, 17.0690, 8.5303 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 20.2570, 17.0690, 8.5303

Background



This preview shows how black text looks on a background with the XYZ color 20.2570, 17.0690, 8.5303.



This preview shows how white text looks on a background with the XYZ color 20.2570, 17.0690,

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

20.2570, 17.0690, 8.5303

Protanopia

15.9995, 17.1860, 9.8711

Deuteranopia

17.3607, 17.0958, 8.3460



Tritanopia

21.5313, 17.0264, 14.9836

Trichromacy



Original Color

20.2570, 17.0690, 8.5303

Protanomaly

17.3967, 17.0910, 9.4032

Deuteranomaly

18.3564, 16.9790, 8.4407

Tritanomaly

20.9044, 16.8992, 12.2853

Monochromacy



Original Color

20.2570, 17.0690, 8.5303

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.2363, 16.8973, 14.4096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2570, 17.0690, 8.5303 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(160, 100, 73)` looks like.

```
.text, #text, p{  
    color:rgb(160, 100, 73)  
}
```

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(160, 100, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 100, 73) }
```

Border

The CSS property to change the border of an element to XYZ 20.2570, 17.0690, 8.5303 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(160, 100, 73) }
```


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

```
.border{ border-color:rgb(160, 100, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 100, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 100, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 100, 73);  
box-shadow:4px 4px 4px 4px rgb(160, 100,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2570, 17.0690, 8.5303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 100, 73) }
```

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

```
.background{ background-color: rgb(160,  
100, 73) }
```

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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