

Converting Colors

XYZ(20.5975, 17.5474, 4.3090)

Have a look what the booklet for
XYZ(20.5975, 17.5474, 4.3090)
contains.

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Color

**XYZ(20.5537, 17.4599,
4.2943)**

Conversions

Conversions Part 1

Format	Color
Hex	A56528
RGB	165, 101, 40
RGB Percent	65%, 40%, 16%
CMY	0.3529, 0.6039, 0.8431
CMYK	0.00, 0.39, 0.76, 0.35
HSL	29°, 61%, 40%
HSV	29°, 76%, 65%
XYZ	20.5537, 17.4599, 4.2943
YIQ	113.1820, 57.7250, -5.4030

Conversions

Conversions Part 2

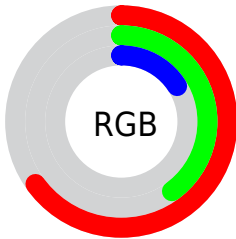
Format	Color
R_{YB}	165, 159, 40
Decimal	10839336
CIE _{Lab}	48.83, 20.66, 43.71
CIE _{LCh}	49, 48.341, 64.703
Yxy	17.4599, 0.4858, 0.4127
Android (android.graphics.Color)	4289029416 (0xFFA56528)
YUV	113.1820, -36.0787, 45.4444
Hunter-Lab	41.7850, 14.6788, 23.1562

Details

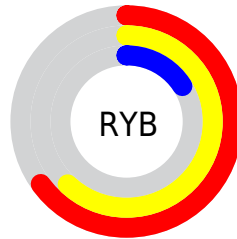
The XYZ color **20.5537, 17.4599, 4.2943** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.6166, 13.0676, 37.4543**, and the grayscale version is **15.8424, 16.6674, 18.1508**.

A 20% lighter version of the original color is **43.7719, 39.0250, 14.6767**, and **7.5035, 5.8265, 0.7291** is the 20% darker color. If you saturate the color by 10%, you get **19.5523, 15.8144, 2.8592**, and if you desaturate by 10%, it is **21.7601, 19.3238, 6.3891**.

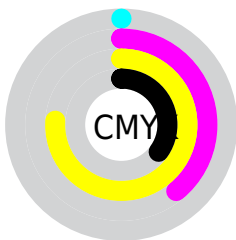
Distribution



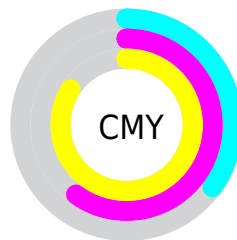
- Red (65%)
- Green (40%)
- Blue (16%)



- Red (65%)
- Yellow (62%)
- Blue (16%)



- Cyan (0%)
- Magenta (39%)
- Yellow (76%)
- Black (35%)





- Cyan (35%)
- Magenta (60%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5537, 17.4599, 4.2943 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 20.5537, 17.4599, 4.2943 by changing the saturation by 10% instead.


 20.5537, 17.4599,
4.2943


 20.5537, 17.4599,
4.2943


247.6739,
237.8089, 151.4424


 12.9088, 10.5629,
1.7881


 43.8405, 39.1148,
14.6830


 7.4423, 5.7738,
0.4201


 60.2130, 54.6416,
23.4026


 3.7890, 2.7080,
0.0000

 80.2255, 73.8137,
35.0305

 1.5835, 0.9813,
0.0000

 104.2432, 97.0156,
49.9852

 0.3816, 0.0000,
0.0000

 132.6315,
124.6317, 68.6851

 0.0000, 0.0000,
0.0000

 165.7559,

157.0463, 91.5490

203.9815,
194.6439, 118.9952

■ 20.5537, 17.4599,
4.2943

■ 20.5537, 17.4599,
4.2943

■ 19.5523, 15.8144,
2.8592

■ 21.7601, 19.3238,
6.3891

■ 18.7341, 14.3724,
1.9878

■ 23.1862, 21.4136,
9.2149

■ 18.4242, 13.8138,
1.6953

■ 24.8465, 23.7396,
12.8347

■ 26.7538, 26.3106,
17.3045

■ 28.9197, 29.1345,
22.6750

■ 31.3551, 32.2191,
28.9930

■ 34.0700, 35.5717,
36.3020

■ 37.0741, 39.1993,
44.6427

■ 40.3765, 43.1085,
54.0535

Harmonies

Analogous

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



24.7296, 17.4599, 8.1425



20.5537, 17.4599, 4.2943



15.8989, 17.4599, 3.5023

Triad

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



20.5537, 17.4599, 4.2943



9.4069, 17.4599, 21.1058



21.9968, 17.4599, 47.3502

Complementary

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



20.5537, 17.4599, 4.2943



12.6166, 13.0676, 37.4543

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.



17.3113, 17.4599, 55.7077



20.5537, 17.4599, 4.2943



10.4743, 17.4599, 36.7936

Square

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



20.5537, 17.4599, 4.2943



9.9633, 17.4599, 10.2994



13.1805, 17.4599, 51.1642



25.6623, 17.4599, 31.6172

Rectangle

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



20.5537, 17.4599, 4.2943



13.2499, 17.4599, 4.2544



13.1805, 17.4599, 51.1642



20.4607, 17.4599, 51.3733

Sweetspot

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



20.5541, 17.4608, 4.2946



52.7683, 53.4260, 43.0969



18.8042, 10.5284, 14.2938



11.2242, 11.2800, 8.6276



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.5541, 17.4608, 4.2946



33.9732, 26.5008, 3.9532



28.9822, 34.3170, 7.1040



7.3458, 7.6299, 7.4656



13.9880, 10.5499, 1.2991



0.3412, 0.3163, 0.0431

Inverse Universe

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



12.6166, 13.0676, 37.4543



19.0425, 18.2172, 66.2649



8.4976, 4.8297, 36.0813



6.9862, 7.4314, 8.9693



7.6144, 7.0082, 27.8812



0.2071, 0.2416, 0.6016

Previews

White Background



This preview shows how the XYZ color 20.5537, 17.4599, 4.2943 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 20.5537, 17.4599, 4.2943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

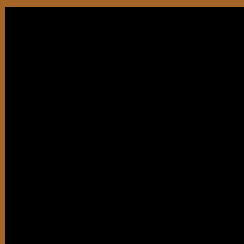
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.5537, 17.4599, 4.2943

Background



This preview shows how black text looks on a background with the XYZ color 20.5537, 17.4599, 4.2943.



This preview shows how white text looks on a background with the XYZ color 20.5537, 17.4599,

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

20.5537, 17.4599, 4.2943

Protanopia

16.0218, 17.6503, 4.9453

Deuteranopia

17.8724, 17.6134, 4.2080



Tritanopia

22.6389, 17.4686, 14.7489

Trichromacy



Original Color

20.5537, 17.4599, 4.2943

Protanomaly

17.4482, 17.3829, 4.7211

Deuteranomaly

18.7444, 17.4276, 4.2097

Tritanomaly

21.6223, 17.3294, 9.6024

Monochromacy



Original Color

20.5537, 17.4599, 4.2943

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.6641, 16.5147, 11.1135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5537, 17.4599, 4.2943 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(165, 101, 40)` looks like.

```
.text, #text, p{  
    color:rgb(165, 101, 40)  
}
```

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(165, 101, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 101, 40) }
```

Border

The CSS property to change the border of an element to XYZ 20.5537, 17.4599, 4.2943 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(165, 101, 40) }
```


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

```
.border{ border-color:rgb(165, 101, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 101, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 101, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 101, 40);  
box-shadow:4px 4px 4px 4px rgb(165, 101,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5537, 17.4599, 4.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 101, 40) }
```

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

```
.background{ background-color: rgb(165,  
101, 40) }
```

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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