

Converting Colors

XYZ(20.4163, 16.9632, 14.1415)

Have a look what the booklet for
XYZ(20.4163, 16.9632, 14.1415)
contains.

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Color

**XYZ(20.5677, 17.1024,
14.2736)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6464
RGB	156, 100, 100
RGB Percent	61%, 39%, 39%
CMY	0.3882, 0.6078, 0.6078
CMYK	0.00, 0.36, 0.36, 0.39
HSL	0°, 22%, 50%
HSV	0°, 36%, 61%
XYZ	20.5677, 17.1024, 14.2736
YIQ	116.7440, 33.3760, 11.8720

Conversions

Conversions Part 2

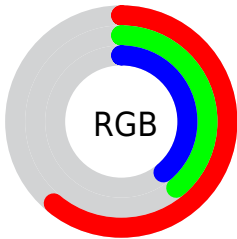
Format	Color
R_{YB}	156, 100, 100
Decimal	10249316
CIE Lab	48.39, 22.64, 9.42
CIE LCh	48, 24.525, 22.579
Yxy	17.1024, 0.3960, 0.3292
Android (android.graphics.Color)	4288439396 (0xFF9C6464)
YUV	116.7440, -8.2548, 34.4275
Hunter-Lab	41.3550, 16.4046, 8.4847

Details

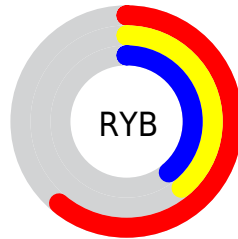
The XYZ color **20.5677, 17.1024, 14.2736** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.1441, 28.8852, 35.8080**, and the grayscale version is **16.8473, 17.7246, 19.3021**.

A 20% lighter version of the original color is **43.8039, 38.3646, 34.3746**, and **7.4641, 5.5966, 4.0550** is the 20% darker color. If you saturate the color by 10%, you get **18.5281, 14.1181, 10.2185**, and if you desaturate by 10%, it is **23.0392, 20.7191, 19.1863**.

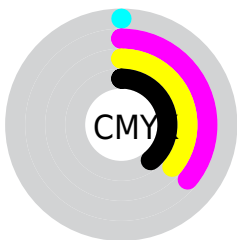
Distribution



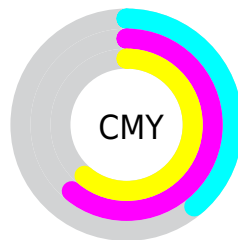
- Red (61%)
- Green (39%)
- Blue (39%)



- Red (61%)
- Yellow (39%)
- Blue (39%)



- Cyan (0%)
- Magenta (36%)
- Yellow (36%)
- Black (39%)



- Cyan (39%)
- Magenta (61%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5677, 17.1024, 14.2736 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 20.5677, 17.1024, 14.2736 by changing the saturation by 10% instead.


 20.5677, 17.1024,
14.2736

 20.5677, 17.1024,
14.2736


247.7475,
235.7618, 230.4136


 12.9190, 10.3075,
8.1703


 43.8637, 38.5018,
34.2978


 7.4494, 5.6033,
4.1148


 60.2417, 53.8750,
49.0558

 3.7935, 2.6054,
1.6885

 80.2602, 72.8765,
67.5357

 1.5860, 0.9294,
0.3528

 104.2845, 95.8907,
90.1561

 0.3833, 0.0000,
0.0000

132.6801,
123.3019, 117.3356

 0.0000, 0.0000,
0.0000

165.8122,

155.4946, 149.4926

204.0462,
192.8531, 187.0458

■ 20.5677, 17.1024,
14.2736

■ 20.5677, 17.1024,
14.2736

■ 18.5281, 14.1181,
10.2185

■ 23.0392, 20.7191,
19.1863

■ 16.8945, 11.7276,
6.9710

■ 25.9641, 24.9990,
25.0009

■ 15.6401, 9.8920,
4.4774


■ 29.3639, 29.9739,
31.7597


■ 14.7344, 8.5666,
2.6771


■ 33.2584, 35.6726,
39.5020


■ 14.1422, 7.7000,
1.5000


■ 37.6664, 42.1226,
48.2650

 13.8149, 7.2211,
0.8495

 42.6054, 49.3498,
58.0839

 13.7104, 7.0681,
0.6417

 48.0925, 57.3788,
68.9923

 54.1436, 66.2332,
81.0221

 60.7743, 75.9357,
94.2042

Harmonies

Analogous

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



20.9138, 17.1024, 20.2614



20.5677, 17.1024, 14.2736



19.0170, 17.1024, 10.4393

Triad

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



20.5677, 17.1024, 14.2736



13.0675, 17.1024, 12.0840



15.7051, 17.1024, 33.7361

Complementary

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



20.5677, 17.1024, 14.2736



23.1441, 28.8852, 35.8080

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.



13.7749, 17.1024, 30.2432



20.5677, 17.1024, 14.2736



12.3457, 17.1024, 17.0727

Square

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



20.5677, 17.1024, 14.2736



14.6562, 17.1024, 9.3927



12.5922, 17.1024, 23.7735



17.9667, 17.1024, 32.4993

Rectangle

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



20.5677, 17.1024, 14.2736



17.5799, 17.1024, 9.1540



12.5922, 17.1024, 23.7735



14.9990, 17.1024, 33.0532

Sweetspot

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



20.5682, 17.1032, 14.2739



49.9382, 49.4732, 50.9352



24.2682, 18.5826, 33.7601



10.8226, 10.6434, 10.8780



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.5682, 17.1032, 14.2739



34.3490, 26.6617, 19.9444



23.7297, 23.4264, 15.3278



6.6331, 6.6462, 6.9189



11.2932, 5.8220, 0.5285



0.2019, 0.1041, 0.0095

Inverse Universe

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



23.1441, 28.8852, 35.8080



39.7302, 51.2746, 64.9297



18.9755, 20.5480, 34.4185



6.8218, 7.5094, 8.4966



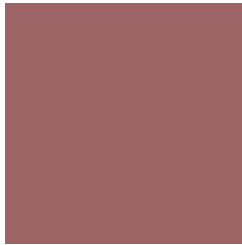
14.7337, 21.5590, 29.2920



0.2635, 0.3855, 0.5238

Previews

White Background



This preview shows how the XYZ color 20.5677, 17.1024, 14.2736 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 20.5677, 17.1024, 14.2736 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 20.5677, 17.1024, 14.2736

Background



This preview shows how black text looks on a background with the XYZ color 20.5677, 17.1024, 14.2736.



This preview shows how white text looks on a background with the XYZ color 20.5677, 17.1024,

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

20.5677, 17.1024, 14.2736

Protanopia

16.4453, 17.2661, 16.6533

Deuteranopia

17.5619, 17.2373, 13.9568



Tritanopia

20.9680, 17.1324, 15.8374

Trichromacy



Original Color

20.5677, 17.1024, 14.2736

Protanomaly

17.6415, 17.0773, 15.7310

Deuteranomaly

18.4943, 17.0790, 14.1262

Tritanomaly

20.8652, 17.0913, 15.2959

Monochromacy



Original Color

20.5677, 17.1024, 14.2736

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.9138, 17.3419, 17.4421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5677, 17.1024, 14.2736 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(156, 100, 100)` looks like.

```
.text, #text, p{  
    color:rgb(156, 100, 100)  
}
```

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(156, 100, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 100, 100) }
```

Border

The CSS property to change the border of an element to XYZ 20.5677, 17.1024, 14.2736 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(156, 100, 100) }
```


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

```
.border{ border-color:rgb(156, 100, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 100, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 100, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 100, 100);  
box-shadow:4px 4px 4px 4px rgb(156, 100,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5677, 17.1024, 14.2736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 100, 100) }
```

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

```
.background{ background-color: rgb(156,  
100, 100) }
```

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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