

Converting Colors

XYZ(21.4128, 20.5239, 4.4154)

Have a look what the booklet for
XYZ(21.4128, 20.5239, 4.4154)
contains.

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Color

**XYZ(21.3626, 20.4210,
4.4058)**

Conversions

Conversions Part 1

Format	Color
Hex	A17523
RGB	161, 117, 35
RGB Percent	63%, 46%, 14%
CMY	0.3686, 0.5412, 0.8627
CMYK	0.00, 0.27, 0.78, 0.37
HSL	39°, 64%, 38%
HSV	39°, 78%, 63%
XYZ	21.3626, 20.4210, 4.4058
YIQ	120.8080, 52.5460, -16.1740

Conversions

Conversions Part 2

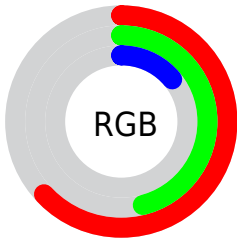
Format	Color
R_{YB}	103, 161, 35
Decimal	10581283
CIE _{Lab}	52.31, 9.56, 49.11
CIE _{LCh}	52, 50.036, 78.983
Yxy	20.4210, 0.4625, 0.4421
Android (android.graphics.Color)	4288771363 (0xFFA17523)
YUV	120.8080, -42.3033, 35.2484
Hunter-Lab	45.1896, 5.3010, 25.8522

Details

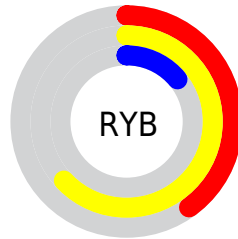
The XYZ color **21.3626, 20.4210, 4.4058** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.9220, 8.5221, 34.8400**, and the grayscale version is **18.2328, 19.1824, 20.8896**.

A 20% lighter version of the original color is **45.0811, 44.1079, 14.9417**, and **7.9538, 7.2595, 0.9820** is the 20% darker color. If you saturate the color by 10%, you get **20.5409, 19.0763, 3.2112**, and if you desaturate by 10%, it is **22.3343, 21.8903, 6.1919**.

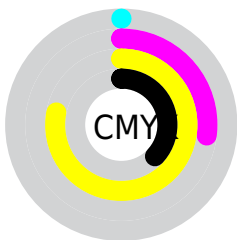
Distribution



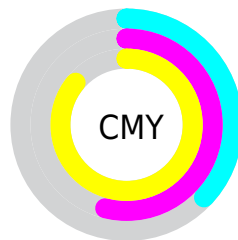
- Red (63%)
- Green (46%)
- Blue (14%)



- Red (40%)
- Yellow (63%)
- Blue (14%)



- Cyan (0%)
- Magenta (27%)
- Yellow (78%)
- Black (37%)



- Cyan (37%)
- Magenta (54%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3626, 20.4210, 4.4058 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 21.3626, 20.4210, 4.4058 by changing the saturation by 10% instead.

■ 21.3626, 20.4210,
4.4058

■ 21.3626, 20.4210,
4.4058

251.8947,
254.1852, 152.6344

■ 13.5033, 12.7014,
1.8505

■ 45.1770, 44.1219,
14.9353

■ 7.8554, 7.2233,
0.4610

■ 61.8627, 60.8720,
23.7467

■ 4.0536, 3.6021,
0.0000

■ 82.2213, 81.4011,
35.4804

■ 1.7325, 1.4536,
0.0000

■ 106.6182,
106.0936, 50.5551

■ 0.4765, 0.2557,
0.0000

■ 135.4186,
135.3339, 69.3893

■ 0.0000, 0.0000,
0.0000

■ 168.9879,

169.5063, 92.4016

207.6915,
208.9953, 120.0104

■ 21.3626, 20.4210,
4.4058

■ 21.3626, 20.4210,
4.4058

■ 20.5409, 19.0763,
3.2112

■ 22.3343, 21.8903,
6.1919

■ 19.8426, 17.8421,
2.4785

■ 23.4686, 23.4878,
8.6388

■ 19.7273, 17.6359,
2.3643

■ 24.7780, 25.2204,
11.8070

■ 26.2732, 27.0934,
15.7503

■ 27.9640, 29.1118,
20.5169

■ 29.8595, 31.2800,
26.1512

■ 31.9679, 33.6024,
32.6945

■ 34.2973, 36.0831,
40.1854

■ 36.8549, 38.7260,
48.6601

Harmonies

Analogous

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



26.6547, 20.4210, 6.9746



21.3626, 20.4210, 4.4058



16.3655, 20.4210, 4.7613

Triad

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



21.3626, 20.4210, 4.4058



11.4757, 20.4210, 32.7858



27.8737, 20.4210, 46.5007

Complementary

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



21.3626, 20.4210, 4.4058



9.9220, 8.5221, 34.8400

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.



22.8095, 20.4210, 61.2397



21.3626, 20.4210, 4.4058



13.6129, 20.4210, 51.2032

Square

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



21.3626, 20.4210, 4.4058



11.2269, 20.4210, 17.2472



17.5793, 20.4210, 63.2636



30.8325, 20.4210, 28.1022

Rectangle

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



21.3626, 20.4210, 4.4058



13.8264, 20.4210, 6.6803



17.5793, 20.4210, 63.2636



26.3236, 20.4210, 52.3393

Sweetspot

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



21.3631, 20.4220, 4.4062



51.6736, 53.9777, 41.4167



16.7139, 9.3452, 8.3394



11.0844, 11.5518, 8.3518



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.



21.3631, 20.4220, 4.4062



35.8392, 32.4912, 4.7481



24.2207, 31.3705, 6.3689



7.4403, 7.8189, 7.4971



15.7949, 14.1637, 1.9014



0.3735, 0.3809, 0.0538

Inverse Universe

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



9.9220, 8.5221, 34.8400



14.6360, 10.6019, 61.6615



8.5501, 4.5570, 34.1469



6.8933, 7.2457, 8.9383



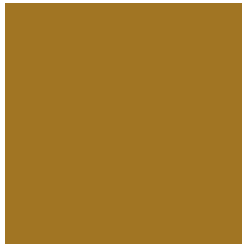
6.3109, 4.4012, 27.4467



0.1756, 0.1785, 0.5911

Previews

White Background



This preview shows how the XYZ color 21.3626, 20.4210, 4.4058 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 21.3626, 20.4210, 4.4058 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 21.3626, 20.4210, 4.4058

Background



This preview shows how black text looks on a background with the XYZ color 21.3626, 20.4210, 4.4058.



This preview shows how white text looks on a background with the XYZ color 21.3626, 20.4210,

4.4058.

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

21.3626, 20.4210, 4.4058

Protanopia

18.4828, 20.3763, 4.7091

Deuteranopia

20.7902, 20.4772, 4.3701



Tritanopia

24.4645, 20.3523, 19.7785

Trichromacy



Original Color

21.3626, 20.4210, 4.4058

Protanomaly

19.4907, 20.3423, 4.5683

Deuteranomaly

20.8677, 20.3415, 4.3398

Tritanomaly

22.8655, 20.1854, 11.9236

Monochromacy



Original Color

21.3626, 20.4210, 4.4058

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.7153, 19.4054, 12.4321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3626, 20.4210, 4.4058 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(161, 117, 35)` looks like.

```
.text, #text, p{  
    color:rgb(161, 117, 35)  
}
```

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(161, 117, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 117, 35) }
```

Border

The CSS property to change the border of an element to XYZ 21.3626, 20.4210, 4.4058 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(161, 117, 35) }
```


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

```
.border{ border-color:rgb(161, 117, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 117, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 117, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 117, 35);  
box-shadow:4px 4px 4px 4px rgb(161, 117,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3626, 20.4210, 4.4058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 117, 35) }
```

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

```
.background{ background-color: rgb(161,  
117, 35) }
```

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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