

Converting Colors

XYZ(20.3855, 21.6747, 4.3393)

Have a look what the booklet for
XYZ(20.3855, 21.6747, 4.3393)
contains.

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Color

**XYZ(20.4014, 21.7565,
4.3525)**

Conversions

Conversions Part 1

Format	Color
Hex	967F1E
RGB	150, 127, 30
RGB Percent	59%, 50%, 12%
CMY	0.4118, 0.5019, 0.8823
CMYK	0.00, 0.15, 0.80, 0.41
HSL	49°, 67%, 35%
HSV	49°, 80%, 59%
XYZ	20.4014, 21.7565, 4.3525
YIQ	122.8190, 44.8450, -25.2910

Conversions

Conversions Part 2

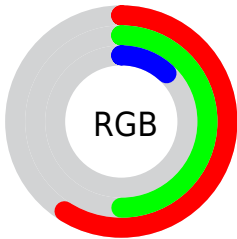
Format	Color
R_{YB}	58, 150, 30
Decimal	9862942
CIE Lab	53.77, -1.35, 51.90
CIE LCh	54, 51.922, 91.491
Yxy	21.7565, 0.4386, 0.4678
Android (android.graphics.Color)	4288053022 (0xFF967F1E)
YUV	122.8190, -45.7598, 23.8377
Hunter-Lab	46.6439, -3.5533, 27.1181

Details

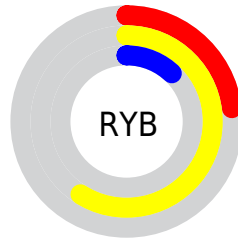
The XYZ color **20.4014, 21.7565, 4.3525** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.3136, 5.0243, 29.4383**, and the grayscale version is **18.9033, 19.8878, 21.6578**.

A 20% lighter version of the original color is **43.4136, 46.1301, 14.7995**, and **7.4437, 7.8817, 1.1290** is the 20% darker color. If you saturate the color by 10%, you get **19.8877, 20.9663, 3.4508**, and if you desaturate by 10%, it is **21.0178, 22.6065, 5.7388**.

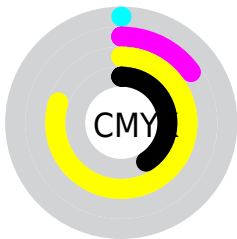
Distribution



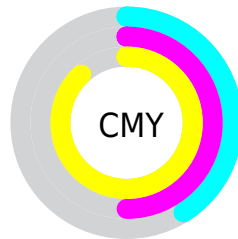
- Red (59%)
- Green (50%)
- Blue (12%)



- Red (23%)
- Yellow (59%)
- Blue (12%)



- Cyan (0%)
- Magenta (15%)
- Yellow (80%)
- Black (41%)





- Cyan (41%)
- Magenta (50%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4014, 21.7565, 4.3525 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 20.4014, 21.7565, 4.3525 by changing the saturation by 10% instead.


 20.4014, 21.7565,
4.3525


 20.4014, 21.7565,
4.3525


246.8723,
261.2720, 152.0663


 12.7971, 13.6781,
1.8206


 43.5880, 46.3432,
14.8149


 7.3650, 7.8971,
0.4415


 59.9010, 63.6203,
23.5825


 3.7398, 4.0292,
0.0000

 79.8476, 84.7324,
35.2658

 1.5560, 1.6899,
0.0000

 103.7932,
110.0639, 50.2833

 0.3635, 0.4171,
0.0000

 132.1031,
139.9993, 69.0536

 0.0000, 0.0000,
0.0000

 165.1426,

174.9228, 91.9952

203.2773,
215.2189, 119.5266

20.4014, 21.7565,
4.3525

20.4014, 21.7565,
4.3525

19.8877, 20.9663,
3.4508

21.0178, 22.6065,
5.7388

19.4460, 20.2208,
2.8782

21.7471, 23.5178,
7.6688

19.4459, 20.2206,
2.8781

22.5996, 24.4957,
10.1944

23.5840, 25.5437,
13.3612

24.7082, 26.6651,
17.2104

■ 25.9794, 27.8629,
21.7795

■ 27.4044, 29.1400,
27.1034

■ 28.9894, 30.4990,
33.2149

■ 30.7403, 31.9423,
40.1446

Harmonies

Analogous

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



26.2241, 21.7565, 5.6647



20.4014, 21.7565, 4.3525



15.5732, 21.7565, 5.9779

Triad

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



20.4014, 21.7565, 4.3525



12.8240, 21.7565, 43.5980



31.5916, 21.7565, 41.5542

Complementary

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



20.4014, 21.7565, 4.3525



7.3136, 5.0243, 29.4383

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.



26.7939, 21.7565, 60.6566



20.4014, 21.7565, 4.3525



15.9763, 21.7565, 62.1630

Square

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



20.4014, 21.7565, 4.3525



11.7131, 21.7565, 24.4965



20.9589, 21.7565, 69.4902



33.3409, 21.7565, 22.8997

Rectangle

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



20.4014, 21.7565, 4.3525



13.3787, 21.7565, 9.2626



20.9589, 21.7565, 69.4902



30.2440, 21.7565, 48.3822

Sweetspot

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



20.4019, 21.7575, 4.3529



44.8112, 48.2090, 34.6659



13.7079, 7.6791, 4.2502



9.7723, 10.5336, 7.1157



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.4019, 21.7575, 4.3529



34.4911, 35.9636, 5.3464



18.0802, 25.4838, 5.1945



6.1720, 6.5577, 6.1809



16.1502, 16.8147, 2.3944



0.2172, 0.2448, 0.0358

Inverse Universe

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



7.3136, 5.0243, 29.4383



10.6909, 5.6935, 51.4567



8.2163, 4.2891, 29.2488



5.5841, 5.8022, 7.2954



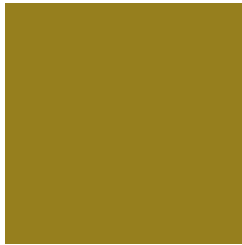
4.9438, 2.5824, 24.1689



0.0771, 0.0648, 0.3013

Previews

White Background



This preview shows how the XYZ color 20.4014, 21.7565, 4.3525 looks on a white background.

Color Contrast Check

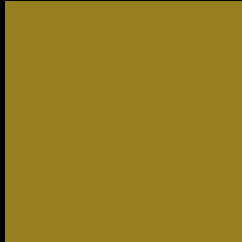
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4014, 21.7565, 4.3525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

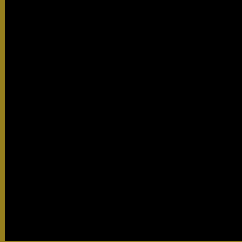
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4014, 21.7565, 4.3525

Background



This preview shows how black text looks on a background with the XYZ color 20.4014, 21.7565, 4.3525.



This preview shows how white text looks on a background with the XYZ color 20.4014, 21.7565,

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

20.4014, 21.7565, 4.3525

Protanopia

19.7746, 21.8192, 4.4656

Deuteranopia

22.1205, 21.7047, 4.3901



Tritanopia

24.2138, 21.6573, 22.9827

Trichromacy



Original Color

20.4014, 21.7565, 4.3525

Protanomaly

19.9991, 21.7403, 4.4386

Deuteranomaly

21.5555, 21.7833, 4.3648

Tritanomaly

22.0956, 21.3175, 13.0753

Monochromacy



Original Color

20.4014, 21.7565, 4.3525

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.6837, 20.1231, 12.3506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4014, 21.7565, 4.3525 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(150, 127, 30)` looks like.

```
.text, #text, p{  
    color:rgb(150, 127, 30)  
}
```

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(150, 127, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 127, 30) }
```

Border

The CSS property to change the border of an element to XYZ 20.4014, 21.7565, 4.3525 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(150, 127, 30) }
```


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

```
.border{ border-color:rgb(150, 127, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 127, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 127, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 127, 30);  
box-shadow:4px 4px 4px 4px rgb(150, 127,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4014, 21.7565, 4.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 127, 30) }
```

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

```
.background{ background-color: rgb(150,  
127, 30) }
```

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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