

Converting Colors

XYZ(20.1456, 21.2450, 4.2672)

Have a look what the booklet for
XYZ(20.1456, 21.2450, 4.2672)
contains.

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Color

**XYZ(20.1456, 21.2450,
4.2672)**

Conversions

Conversions Part 1

Format	Color
Hex	967D1E
RGB	150, 125, 30
RGB Percent	59%, 49%, 12%
CMY	0.4118, 0.5098, 0.8823
CMYK	0.00, 0.17, 0.80, 0.41
HSL	48°, 67%, 35%
HSV	48°, 80%, 59%
XYZ	20.1456, 21.2450, 4.2672
YIQ	121.6450, 45.3950, -24.2450

Conversions

Conversions Part 2

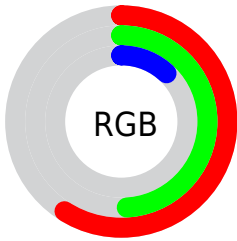
Format	Color
R_{YB}	62, 150, 30
Decimal	9862430
CIE Lab	53.22, -0.23, 51.40
CIE LCh	53, 51.405, 90.259
Yxy	21.2450, 0.4412, 0.4653
Android (android.graphics.Color)	4288052510 (0xFF967D1E)
YUV	121.6450, -45.1810, 24.8673
Hunter-Lab	46.0923, -2.6444, 26.7756

Details

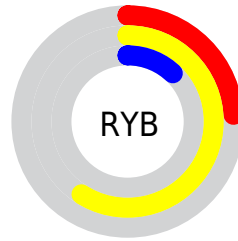
The XYZ color **20.1456, 21.2450, 4.2672** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.4066, 5.2103, 29.4692**, and the grayscale version is **18.5156, 19.4799, 21.2136**.

A 20% lighter version of the original color is **43.0156, 45.3342, 14.6668**, and **7.3732, 7.7407, 1.1055** is the 20% darker color. If you saturate the color by 10%, you get **19.6086, 20.4080, 3.3577**, and if you desaturate by 10%, it is **20.7872, 22.1454, 5.6619**.

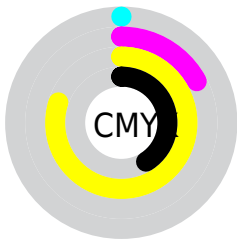
Distribution



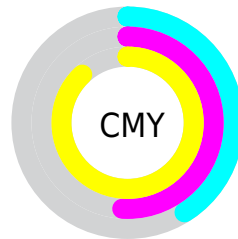
- Red (59%)
- Green (49%)
- Blue (12%)



- Red (24%)
- Yellow (59%)
- Blue (12%)



- Cyan (0%)
- Magenta (17%)
- Yellow (80%)
- Black (41%)



- Cyan (41%)
- Magenta (51%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1456, 21.2450, 4.2672 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 20.1456, 21.2450, 4.2672 by changing the saturation by 10% instead.

■ 20.1456, 21.2450,
4.2672

■ 20.1456, 21.2450,
4.2672

245.5208,
258.5777, 151.1505

■ 12.6098, 13.3032,
1.7730

■ 43.1632, 45.4949,
14.6215

■ 7.2355, 7.6377,
0.4101

■ 59.3758, 62.5718,
23.3186

■ 3.6575, 3.8640,
0.0000

■ 79.2113, 83.4626,
34.9206

■ 1.5102, 1.5978,
0.0000

■ 103.0352,
108.5516, 49.8458

■ 0.3328, 0.3561,
0.0000

■ 131.2127,
138.2232, 68.5129

■ 0.0000, 0.0000,
0.0000

■ 164.1092,

172.8618, 91.3403

202.0901,
212.8518, 118.7467

20.1456, 21.2450,
4.2672

20.1456, 21.2450,
4.2672

19.6086, 20.4080,
3.3577

20.7872, 22.1454,
5.6619

19.1453, 19.6195,
2.7780

21.5436, 23.1109,
7.6008

19.1452, 19.6193,
2.7778

22.4250, 24.1468,
10.1361

23.4404, 25.2566,
13.3132

24.5974, 26.4438,
17.1732

■ 25.9035, 27.7113,
21.7539

■ 27.3653, 29.0621,
27.0900

■ 28.9892, 30.4988,
33.2144

■ 30.7810, 32.0239,
40.1576

Harmonies

Analogous

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



25.8258, 21.2450, 5.6745



20.1456, 21.2450, 4.2672



15.3766, 21.2450, 5.7276

Triad

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



20.1456, 21.2450, 4.2672



12.4524, 21.2450, 41.7013



30.6788, 21.2450, 41.3557

Complementary

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



20.1456, 21.2450, 4.2672



7.4066, 5.2103, 29.4692

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.



25.9222, 21.2450, 59.7498



20.1456, 21.2450, 4.2672



15.4448, 21.2450, 60.0045

Square

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



20.1456, 21.2450, 4.2672



11.4503, 21.2450, 23.2676



20.2399, 21.2450, 67.7488



32.5318, 21.2450, 22.9974

Rectangle

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



20.1456, 21.2450, 4.2672



13.1832, 21.2450, 8.8011



20.2399, 21.2450, 67.7488



29.3289, 21.2450, 47.9889

Sweetspot

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



20.1461, 21.2460, 4.2676



44.6496, 47.8859, 34.6120



13.7558, 7.6982, 4.5026



9.7321, 10.4532, 7.1023



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.



20.1461, 21.2460, 4.2676



33.9684, 34.9180, 5.1721



18.3431, 25.6192, 5.2068



6.1639, 6.5417, 6.1783



15.9021, 16.3187, 2.3117



0.2153, 0.2411, 0.0352

Inverse Universe

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



7.4066, 5.2103, 29.4692



10.8090, 5.9298, 51.4961



8.0838, 4.2208, 29.2425



5.5916, 5.8172, 7.2979



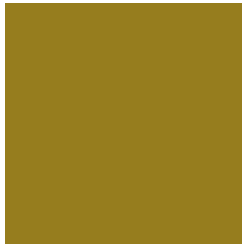
4.9974, 2.6896, 24.1868



0.0789, 0.0685, 0.3020

Previews

White Background



This preview shows how the XYZ color 20.1456, 21.2450, 4.2672 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 20.1456, 21.2450, 4.2672 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 20.1456, 21.2450, 4.2672

Background



This preview shows how black text looks on a background with the XYZ color 20.1456, 21.2450, 4.2672.



This preview shows how white text looks on a background with the XYZ color 20.1456, 21.2450,

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

20.1456, 21.2450, 4.2672

Protanopia

19.2942, 21.3769, 4.4056

Deuteranopia

21.5953, 21.2526, 4.3305



Tritanopia

23.7733, 21.2712, 22.2548

Trichromacy



Original Color

20.1456, 21.2450, 4.2672

Protanomaly

19.6908, 21.3887, 4.3869

Deuteranomaly

20.9172, 21.0859, 4.2639

Tritanomaly

21.8884, 21.0412, 12.5806

Monochromacy



Original Color

20.1456, 21.2450, 4.2672

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4019, 19.7927, 12.3017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1456, 21.2450, 4.2672 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, 125, 30)` looks like.

```
.text, #text, p{  
    color:rgb(150, 125, 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, 125, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 125, 30) }
```

Border

The CSS property to change the border of an element to XYZ 20.1456, 21.2450, 4.2672 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, 125, 30) }
```


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

```
.border{ border-color:rgb(150, 125, 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, 125, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 125, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 125, 30);  
box-shadow:4px 4px 4px 4px rgb(150, 125,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1456, 21.2450, 4.2672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 125, 30) }
```

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

```
.background{ background-color: rgb(150,  
125, 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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