

Converting Colors

XYZ(21.3138, 22.8641, 4.5527)

Have a look what the booklet for
XYZ(21.3138, 22.8641, 4.5527)
contains.

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Color

**XYZ(21.3668, 22.8365,
4.5781)**

Conversions

Conversions Part 1

Format	Color
Hex	99821F
RGB	153, 130, 31
RGB Percent	60%, 51%, 12%
CMY	0.4000, 0.4902, 0.8784
CMYK	0.00, 0.15, 0.80, 0.40
HSL	49°, 66%, 36%
HSV	49°, 80%, 60%
XYZ	21.3668, 22.8365, 4.5781
YIQ	125.5910, 45.4870, -25.9130

Conversions

Conversions Part 2

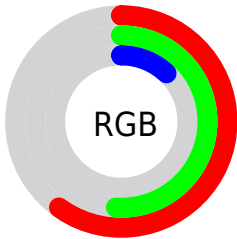
Format	Color
RYB	59, 153, 31
Decimal	10060319
CIELab	54.90, -1.60, 52.70
CIELCh	55, 52.726, 91.736
Yxy	22.8365, 0.4380, 0.4681
Android (android.graphics.Color)	4288250399 (0xFF99821F)
YUV	125.5910, -46.6334, 24.0377
Hunter-Lab	47.7876, -3.8172, 27.7712

Details

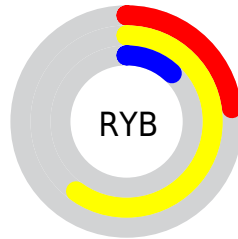
The XYZ color **21.3668, 22.8365, 4.5781** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.6341, 5.2295, 30.7437**, and the grayscale version is **19.8353, 20.8683, 22.7256**.

A 20% lighter version of the original color is **45.3977, 48.3559, 15.3284**, and **7.9794, 8.4815, 1.2165** is the 20% darker color. If you saturate the color by 10%, you get **20.8330, 22.0186, 3.6307**, and if you desaturate by 10%, it is **22.0081, 23.7164, 6.0341**.

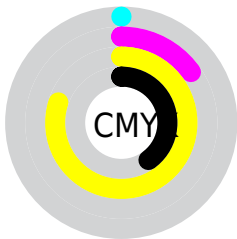
Distribution



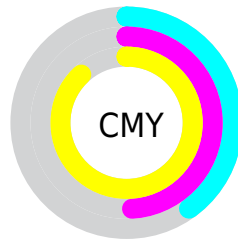
- Red (60%)
- Green (51%)
- Blue (12%)



- Red (23%)
- Yellow (60%)
- Blue (12%)



- Cyan (0%)
- Magenta (15%)
- Yellow (80%)
- Black (40%)



- Cyan (40%)
- Magenta (49%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3668, 22.8365, 4.5781 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 21.3668, 22.8365, 4.5781 by changing the saturation by 10% instead.

■ 21.3668, 22.8365,
4.5781

■ 21.3668, 22.8365,
4.5781

251.9164,
266.8841, 154.4492

■ 13.5064, 14.4728,
1.9475

■ 45.1839, 48.1247,
15.3225

■ 7.8575, 8.4503,
0.5227

■ 61.8713, 65.8181,
24.2734

■ 4.0550, 4.3844,
0.0000

■ 82.2317, 87.3901,
36.1682

■ 1.7333, 1.8908,
0.0000

■ 106.6304,
113.2252, 51.4254

■ 0.4770, 0.5429,
0.0000

■ 135.4329,
143.7077, 70.4636

■ 0.0000, 0.0000,
0.0000

■ 169.0045,

179.2221, 93.7012

207.7106,
220.1528, 121.5569

■ 21.3668, 22.8365,
4.5781

■ 21.3668, 22.8365,
4.5781

■ 20.8330, 22.0186,
3.6307

■ 22.0081, 23.7164,
6.0341

■ 20.3763, 21.2478,
3.0389

■ 22.7675, 24.6599,
8.0606

■ 20.3645, 21.2277,
3.0240

■ 23.6558, 25.6725,
10.7120

■ 24.6821, 26.7579,
14.0360

■ 25.8548, 27.9196,
18.0757

■ 27.1813, 29.1607,
22.8706

■ 28.6687, 30.4841,
28.4573

■ 30.3235, 31.8927,
34.8699

■ 32.1520, 33.3890,
42.1406

Harmonies

Analogous

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



27.4714, 22.8365, 5.9294



21.3668, 22.8365, 4.5781



16.3163, 22.8365, 6.3122

Triad

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



21.3668, 22.8365, 4.5781



13.4845, 22.8365, 45.9183



33.1797, 22.8365, 43.4234

Complementary

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



21.3668, 22.8365, 4.5781



7.6341, 5.2295, 30.7437

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.



28.1670, 22.8365, 63.4918



21.3668, 22.8365, 4.5781



16.8085, 22.8365, 65.3305

Square

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



21.3668, 22.8365, 4.5781



12.3016, 22.8365, 25.8527



22.0476, 22.8365, 72.8793



34.9818, 22.8365, 23.9029

Rectangle

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



21.3668, 22.8365, 4.5781



14.0257, 22.8365, 9.7887



22.0476, 22.8365, 72.8793



31.7747, 22.8365, 50.5848

Sweetspot

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



21.3673, 22.8376, 4.5786



47.5182, 51.1527, 36.7170



14.3261, 8.0322, 4.4606



10.3237, 11.1359, 7.5011



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.3673, 22.8376, 4.5786



36.6512, 38.3079, 5.6909



18.8944, 26.6217, 5.4393



6.6099, 7.0249, 6.6134



16.8538, 17.5899, 2.5069



0.2746, 0.3083, 0.0450

Inverse Universe

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



7.6341, 5.2295, 30.7437



11.2955, 5.9677, 54.5285



8.5961, 4.4948, 30.5512



5.9740, 6.2055, 7.8119



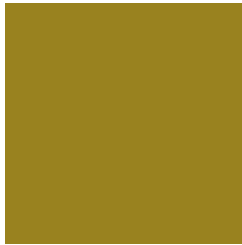
5.1312, 2.6591, 25.1505



0.0971, 0.0806, 0.3828

Previews

White Background



This preview shows how the XYZ color 21.3668, 22.8365, 4.5781 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 21.3668, 22.8365, 4.5781 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 21.3668, 22.8365, 4.5781

Background



This preview shows how black text looks on a background with the XYZ color 21.3668, 22.8365, 4.5781.



This preview shows how white text looks on a background with the XYZ color 21.3668, 22.8365,

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

21.3668, 22.8365, 4.5781

Protanopia

20.7113, 22.8974, 4.6244

Deuteranopia

23.1394, 22.7821, 4.6912



Tritanopia

25.4313, 22.7870, 24.5307

Trichromacy



Original Color

21.3668, 22.8365, 4.5781

Protanomaly

20.9413, 22.8156, 4.5964

Deuteranomaly

22.5618, 22.8656, 4.6632

Tritanomaly

23.1778, 22.4096, 13.9304

Monochromacy



Original Color

21.3668, 22.8365, 4.5781

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.6310, 21.1683, 12.9488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3668, 22.8365, 4.5781 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(153, 130, 31)` looks like.

```
.text, #text, p{  
    color:rgb(153, 130, 31)  
}
```

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(153, 130, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 130, 31) }
```

Border

The CSS property to change the border of an element to XYZ 21.3668, 22.8365, 4.5781 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(153, 130, 31) }
```


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

```
.border{ border-color:rgb(153, 130, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 130, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 130, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 130, 31);  
box-shadow:4px 4px 4px 4px rgb(153, 130,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3668, 22.8365, 4.5781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 130, 31) }
```

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

```
.background{ background-color: rgb(153,  
130, 31) }
```

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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