

Converting Colors

XYZ(21.3941, 20.4189, 29.2015)

Have a look what the booklet for
XYZ(21.3941, 20.4189, 29.2015)
contains.

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Color

**XYZ(21.4234, 20.4331,
29.2004)**

Conversions

Conversions Part 1

Format	Color
Hex	857890
RGB	133, 120, 144
RGB Percent	52%, 47%, 56%
CMY	0.4784, 0.5294, 0.4353
CMYK	0.08, 0.17, 0.00, 0.44
HSL	272°, 10%, 52%
HSV	272°, 17%, 56%
XYZ	21.4234, 20.4331, 29.2004
YIQ	126.6230, 0.0440, 10.2200

Conversions

Conversions Part 2

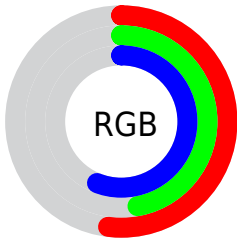
Format	Color
R_{YB}	133, 120, 144
Decimal	8747152
CIE _{Lab}	52.32, 9.79, -11.18
CIE _{LCh}	52, 14.859, 311.223
Yxy	20.4331, 0.3015, 0.2876
Android (android.graphics.Color)	4286937232 (0xFF857890)
YUV	126.6230, 8.5669, 5.5926
Hunter-Lab	45.2030, 5.4927, -6.6583

Details

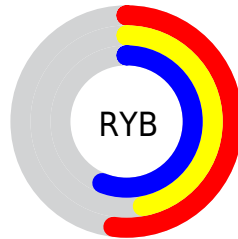
The XYZ color **21.4234, 20.4331, 29.2004** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **22.7242, 26.1284, 21.6159**, and the grayscale version is **20.0158, 21.0581, 22.9323**.

A 20% lighter version of the original color is **45.1953, 44.0214, 59.5410**, and **7.9050, 7.2819, 11.5786** is the 20% darker color. If you saturate the color by 10%, you get **18.8108, 16.7062, 28.6191**, and if you desaturate by 10%, it is **24.3632, 24.7164, 29.8725**.

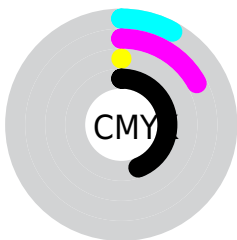
Distribution



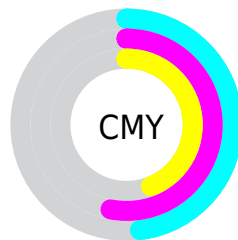
- Red (52%)
- Green (47%)
- Blue (56%)



- Red (52%)
- Yellow (47%)
- Blue (56%)



- Cyan (8%)
- Magenta (17%)
- Yellow (0%)
- Black (44%)



- Cyan (48%)
- Magenta (53%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4234, 20.4331, 29.2004 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 21.4234, 20.4331, 29.2004 by changing the saturation by 10% instead.

■ 21.4234, 20.4331,
29.2004

■ 21.4234, 20.4331,
29.2004

252.2095,
254.2502, 312.2498

■ 13.5481, 12.7103,
18.9856

■ 45.2771, 44.1421,
59.4413

■ 7.8866, 7.2293,
11.4832

■ 61.9862, 60.8971,
80.3045

■ 4.0737, 3.6059,
6.2746

■ 82.3706, 81.4316,
105.5542

■ 1.7439, 1.4557,
2.9413

106.7957,
106.1299, 135.6090

■ 0.4835, 0.2572,
1.0647

135.6267,
135.3766, 170.8874

■ 0.0000, 0.0000,
0.0000

169.2291,

169.5559, 211.8080

207.9683,
209.0523, 258.7893

■ 21.4234, 20.4331,
29.2004

■ 21.4234, 20.4331,
29.2004

■ 18.8108, 16.7062,
28.6191

■ 24.3632, 24.7164,
29.8725

■ 16.5107, 13.5094,
28.1232

■ 27.6404, 29.5758,
30.6378

■ 14.5101, 10.8179,
27.7092

■ 31.2670, 35.0333,
31.5000

■ 12.7942, 8.6039,
27.3723

■ 35.2537, 41.1090,
32.4626

■ 11.3467, 6.8371,
27.1075

■ 39.6110, 47.8217,
33.5287

10.1496, 5.4832,
26.9093

44.3486, 55.1898,
34.7012

9.1822, 4.5029,
26.7711

49.4762, 63.2308,
35.9830

8.4113, 3.8320,
26.6822

55.0028, 71.9615,
37.3769

8.1758, 3.6333,
26.6562

60.9374, 81.3981,
38.8855

Harmonies

Analogous

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



19.9988, 20.4331, 31.5701



21.4234, 20.4331, 29.2004



22.3394, 20.4331, 25.0697

Triad

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



21.4234, 20.4331, 29.2004



20.3828, 20.4331, 15.1912



16.6779, 20.4331, 23.9273

Complementary

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



21.4234, 20.4331, 29.2004



22.7242, 26.1284, 21.6159

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.



16.7686, 20.4331, 19.6467



21.4234, 20.4331, 29.2004



18.8545, 20.4331, 14.9697

Square

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



21.4234, 20.4331, 29.2004



21.7171, 20.4331, 17.1485



17.5475, 20.4331, 16.4975



17.2928, 20.4331, 28.2702

Rectangle

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



21.4234, 20.4331, 29.2004



22.5108, 20.4331, 22.0690



17.5475, 20.4331, 16.4975



16.6278, 20.4331, 22.4283

Sweetspot

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



21.4240, 20.4340, 29.2008



43.8339, 44.8646, 52.8875



20.9237, 22.2938, 29.5862



9.9719, 10.1703, 12.1097



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.4240, 20.4340, 29.2008



35.9942, 33.4656, 51.1004



23.1917, 21.3523, 28.9655



5.3911, 5.3898, 6.7850



7.1469, 3.1779, 23.2138



0.0938, 0.0435, 0.2231

Inverse Universe

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



22.3155, 21.0018, 24.3512



37.9025, 34.6801, 40.7651



21.1586, 25.3157, 21.7971



5.5052, 5.4626, 6.1586



10.8838, 5.5106, 5.0397



0.1150, 0.0570, 0.1056

Previews

White Background



This preview shows how the XYZ color 21.4234, 20.4331, 29.2004 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 21.4234, 20.4331, 29.2004 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 21.4234, 20.4331, 29.2004

Background



This preview shows how black text looks on a background with the XYZ color 21.4234, 20.4331, 29.2004.



This preview shows how white text looks on a background with the XYZ color 21.4234, 20.4331,

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

21.4234, 20.4331, 29.2004

Protanopia

20.2198, 20.5150, 30.4978

Deuteranopia

20.8957, 20.5219, 29.2454



Tritanopia

20.4845, 20.4103, 24.6897

Trichromacy



Original Color

21.4234, 20.4331, 29.2004

Protanomaly

20.7287, 20.6012, 30.0780

Deuteranomaly

21.0773, 20.4342, 29.2189

Tritanomaly

20.7970, 20.3579, 26.1259

Monochromacy



Original Color

21.4234, 20.4331, 29.2004

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.4946, 20.7759, 25.1203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4234, 20.4331, 29.2004 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(133, 120, 144)` looks like.

```
.text, #text, p{  
    color:rgb(133, 120, 144)  
}
```

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(133, 120, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 120, 144) }
```

Border

The CSS property to change the border of an element to XYZ 21.4234, 20.4331, 29.2004 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(133, 120, 144) }
```


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

```
.border{ border-color:rgb(133, 120, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 120, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 120, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 120, 144);  
box-shadow:4px 4px 4px 4px rgb(133, 120,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4234, 20.4331, 29.2004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 120, 144) }
```

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

```
.background{ background-color: rgb(133,  
120, 144) }
```

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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