

Converting Colors

XYZ(53.1719, 50.5245, 21.0871)

Have a look what the booklet for
XYZ(53.1719, 50.5245, 21.0871)
contains.

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Color

**XYZ(53.0210, 50.3599,
21.1133)**

Conversions

Conversions Part 1

Format	Color
Hex	ECB16C
RGB	236, 177, 108
RGB Percent	93%, 69%, 42%
CMY	0.0745, 0.3059, 0.5765
CMYK	0.00, 0.25, 0.54, 0.07
HSL	32°, 77%, 67%
HSV	32°, 54%, 93%
XYZ	53.0210, 50.3599, 21.1133
YIQ	186.7750, 57.3130, -8.9510

Conversions

Conversions Part 2

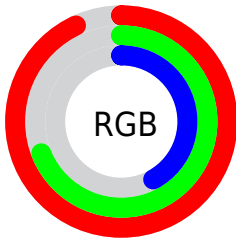
Format	Color
R_{YB}	217, 236, 108
Decimal	15511916
CIE Lab	76.29, 13.80, 43.36
CIE LCh	76, 45.502, 72.348
Yxy	50.3599, 0.4259, 0.4045
Android (android.graphics.Color)	4293701996 (0xFFECB16C)
YUV	186.7750, -38.8361, 43.1703
Hunter-Lab	70.9647, 9.1773, 32.0354

Details

The XYZ color **53.0210, 50.3599, 21.1133** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.1427, 36.8801, 84.6229**, and the grayscale version is **47.2977, 49.7609, 54.1896**.

A 20% lighter version of the original color is **76.8119, 82.1110, 45.5188**, and **26.1028, 24.0679, 7.2728** is the 20% darker color. If you saturate the color by 10%, you get **49.8677, 45.7987, 14.6821**, and if you desaturate by 10%, it is **56.6879, 55.4045, 29.3937**.

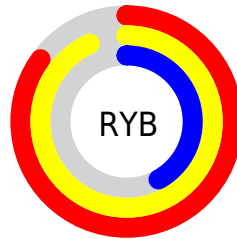
Distribution



Red (93%)

Green (69%)

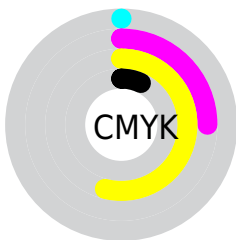
Blue (42%)



Red (85%)

Yellow (93%)

Blue (42%)

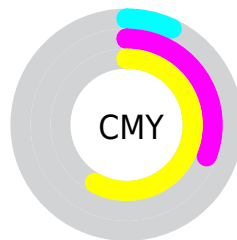


Cyan (0%)

Magenta (25%)

Yellow (54%)

Black (7%)



Cyan (7%)

Magenta (31%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0210, 50.3599, 21.1133 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 53.0210, 50.3599, 21.1133 by changing the saturation by 10% instead.

53.0210, 50.3599,
21.1133

53.0210, 50.3599,
21.1133

388.6252,
388.0717, 270.6808

38.0471, 35.6994,
13.0148

93.8006, 90.7079,
46.1593

26.1966, 24.2022,
7.3079

120.3370,
117.1642, 63.9438

17.1042, 15.4837,
3.5740

151.4583,
148.3213, 85.7941

10.4046, 9.1595,
1.3947

187.5298,
184.5635, 112.1287

5.7324, 4.8454,
0.1376

228.9169,
226.2753, 143.3661

2.7221, 2.1568,
0.0000

275.9849,

1.0086, 0.6963,

273.8410, 179.9249

0.0000

329.0993,
327.6450, 222.2236

■ 0.0000, 0.0000,
0.0000

■ 53.0210, 50.3599,
21.1133

■ 53.0210, 50.3599,
21.1133

■ 49.8677, 45.7987,
14.6821

■ 56.6879, 55.4045,
29.3937

■ 47.1923, 41.6943,
9.9475

■ 60.8937, 60.9429,
39.6531

■ 44.9592, 38.0280,
6.7375

■ 65.6658, 66.9939,
52.0131

■ 43.1244, 34.7752,
4.8408

■ 71.0287, 73.5731,
66.5844

■ 42.2109, 33.0707,
4.1585

■ 77.0053, 80.6952,
83.4700

■ 83.6170, 88.3743,
102.7664

■ 87.8132, 95.3954,
108.3927

■ 88.4019, 96.5728,
108.5889

Harmonies

Analogous

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



61.0599, 50.3599, 28.8578



53.0210, 50.3599, 21.1133



44.4384, 50.3599, 20.5226

Triad

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



53.0210, 50.3599, 21.1133



33.5466, 50.3599, 65.5204



59.8044, 50.3599, 97.4643

Complementary

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



53.0210, 50.3599, 21.1133



35.1427, 36.8801, 84.6229

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.



51.4646, 50.3599, 114.8168



53.0210, 50.3599, 21.1133



36.7237, 50.3599, 93.0169

Square

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



53.0210, 50.3599, 21.1133



33.8579, 50.3599, 41.7702



43.0557, 50.3599, 112.9825



65.2852, 50.3599, 70.3703

Rectangle

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



53.0210, 50.3599, 21.1133



39.6041, 50.3599, 23.9206



43.0557, 50.3599, 112.9825



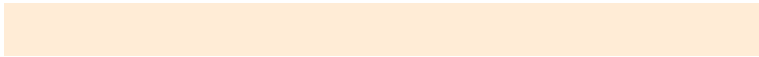
57.2028, 50.3599, 104.9471

Sweetspot

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



53.0222, 50.3624, 21.1143



83.4550, 86.2288, 75.9976



46.9978, 31.3756, 40.4952



17.5731, 18.1034, 15.4726



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



53.0222, 50.3624, 21.1143



59.0951, 54.0683, 16.8279



65.8943, 78.1845, 25.8061



15.7382, 16.3993, 15.8546



23.3986, 18.4915, 2.3360



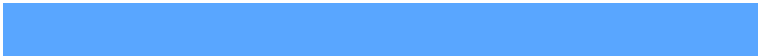
1.9334, 1.6442, 0.2155

Inverse Universe

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



35.1427, 36.8801, 84.6229



35.7653, 36.4991, 99.7677



27.2194, 20.2441, 81.8294



14.8033, 15.6930, 19.1711



11.4730, 9.5930, 44.9899



0.9962, 0.9438, 3.5645

Previews

White Background



This preview shows how the XYZ color 53.0210, 50.3599, 21.1133 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 53.0210, 50.3599, 21.1133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

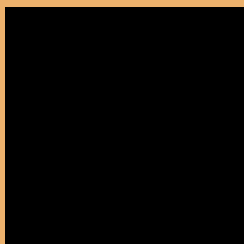
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.0210, 50.3599, 21.1133

Background



This preview shows how black text looks on a background with the XYZ color 53.0210, 50.3599, 21.1133.



This preview shows how white text looks on a background with the XYZ color 53.0210, 50.3599,

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

53.0210, 50.3599, 21.1133

Protanopia

46.5758, 50.6869, 22.6580

Deuteranopia

51.6082, 50.5270, 20.9426



Tritanopia

58.9611, 50.2187, 50.3017

Trichromacy



Original Color

53.0210, 50.3599, 21.1133

Protanomaly

48.8335, 50.5973, 22.2314

Deuteranomaly

52.0527, 50.4575, 20.9057

Tritanomaly

56.3308, 49.9842, 37.2508

Monochromacy



Original Color

53.0210, 50.3599, 21.1133

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.2819, 49.3147, 39.3217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0210, 50.3599, 21.1133 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(236, 177, 108)` looks like.

```
.text, #text, p{  
    color:rgb(236, 177, 108)  
}
```

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(236, 177, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 177, 108) }
```

Border

The CSS property to change the border of an element to XYZ 53.0210, 50.3599, 21.1133 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(236, 177, 108) }
```


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

```
.border{ border-color:rgb(236, 177, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 177, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 177, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 177, 108);  
box-shadow:4px 4px 4px 4px rgb(236, 177,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0210, 50.3599, 21.1133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 177, 108) }
```

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

```
.background{ background-color: rgb(236,  
177, 108) }
```

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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