

# Converting Colors

XYZ(59.6991, 53.2206, 62.8801)

Have a look what the booklet for  
XYZ(59.6991, 53.2206, 62.8801)  
contains.

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# Color

**XYZ(59.5361, 53.0940,  
62.9874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7B2CA
RGB	231, 178, 202
RGB Percent	91%, 70%, 79%
CMY	0.0941, 0.3019, 0.2078
CMYK	0.00, 0.23, 0.13, 0.09
HSL	333°, 52%, 80%
HSV	333°, 23%, 91%
XYZ	59.5361, 53.0940, 62.9874
YIQ	196.5830, 23.8840, 18.7000

# Conversions

## Conversions Part 2

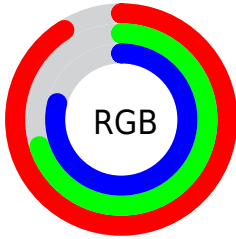
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 178, 202
Decimal	15184586
CIE <sub>Lab</sub>	77.93, 22.94, -4.70
CIE <sub>LCh</sub>	78, 23.413, 348.428
Yxy	53.0940, 0.3390, 0.3023
Android (android.graphics.Color)	4293374666 (0xFFE7B2CA)
<b>YUV</b>	196.5830, 2.6706, 30.1837
Hunter-Lab	72.8656, 18.3316, -0.2462

# Details

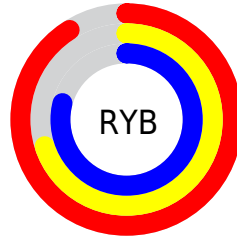
The XYZ color **59.5361, 53.0940, 62.9874** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **58.2007, 71.1233, 69.6956**, and the grayscale version is **52.7952, 55.5447, 60.4882**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **30.3581, 25.9193, 31.4199** is the 20% darker color. If you saturate the color by 10%, you get **53.8854, 44.0901, 54.0197**, and if you desaturate by 10%, it is **66.0864, 63.6995, 72.8611**.

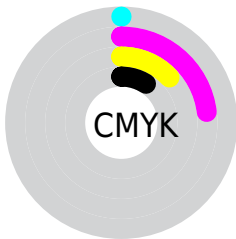
# Distribution



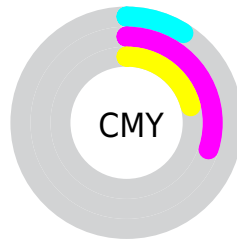
- Red (91%)
- Green (70%)
- Blue (79%)



- Red (91%)
- Yellow (70%)
- Blue (79%)



- Cyan (0%)
- Magenta (23%)
- Yellow (13%)
- Black (9%)




- Cyan (9%)
- Magenta (30%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5361, 53.0940, 62.9874 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 59.5361, 53.0940, 62.9874 by changing the saturation by 10% instead.





 59.5361, 53.0940,  
62.9874

 59.5361, 53.0940,  
62.9874


412.7479,  
398.6457, 453.6304

 43.2929, 37.8778,  
45.3901

 103.2666, 94.7427,  
110.7367

 30.3105, 25.8879,  
31.4196


131.4846,  
121.9440, 141.7258

 20.2236, 16.7398,  
20.6574


164.4248,  
153.9091, 178.0159

 12.6669, 10.0491,  
12.6850

202.4528,  
191.0224, 220.0256

 7.2750, 5.4315,  
7.0839

245.9337,  
233.6683, 268.1733

 3.6825, 2.5026,  
3.4354

295.2329,

 1.5241, 0.8780,

282.2312, 322.8777

1.3210

350.7159,  
337.0955, 384.5572

■ 0.3422, 0.0000,  
0.0789

■ 0.0000, 0.0000,  
0.0000

■ 59.5361, 53.0940,  
62.9874

■ 59.5361, 53.0940,  
62.9874

■ 53.8854, 44.0901,  
54.0197

■ 66.0864, 63.6995,  
72.8611

■ 49.0881, 36.6020,  
45.9264

■ 73.5705, 75.9727,  
83.6643

■ 45.1006, 30.5468,  
38.6785

■ 82.0265, 89.9845,  
95.4238

■ 41.8733, 25.8304,  
32.2440

■ 86.3755, 95.5732,  
106.4596

■ 39.3510, 22.3477,  
26.5882

■ 86.7653, 95.7291,  
108.5123

■ 37.4703, 19.9773,  
21.6730

■ 36.1550, 18.5727,  
17.4550

■ 35.4843, 18.0007,  
14.8598

# Harmonies

## Analogous

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



57.3013, 53.0940, 76.0950



59.5361, 53.0940, 62.9874



59.2341, 53.0940, 50.2413

# Triad

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



59.5361, 53.0940, 62.9874



47.7471, 53.0940, 37.1365



44.8750, 53.0940, 78.6697

# Complementary

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



59.5361, 53.0940, 62.9874



58.2007, 71.1233, 69.6956

# 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.



42.6058, 53.0940, 66.1038



59.5361, 53.0940, 62.9874



44.1939, 53.0940, 42.7178

# Square

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



59.5361, 53.0940, 62.9874



52.2410, 53.0940, 36.5618



42.3642, 53.0940, 52.9250



48.7283, 53.0940, 86.0167



# Rectangle

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



59.5361, 53.0940, 62.9874



57.6381, 53.0940, 43.5852



42.3642, 53.0940, 52.9250



43.9119, 53.0940, 74.8360

# Sweetspot

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



59.5376, 53.0964, 62.9885



88.0846, 88.5220, 99.0161



55.8740, 50.7730, 82.4574



18.7312, 18.7462, 21.0170



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.



59.5376, 53.0964, 62.9885



70.6830, 60.3292, 72.8369



57.2670, 52.7542, 49.2867



14.6469, 14.4760, 16.3412



19.9536, 10.1157, 8.6506



1.5208, 0.7660, 0.8832



# Inverse Universe

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



59.5376, 53.0964, 62.9885



70.6830, 60.3292, 72.8369



60.8695, 71.4037, 86.1762



14.6469, 14.4760, 16.3412



19.9536, 10.1157, 8.6506

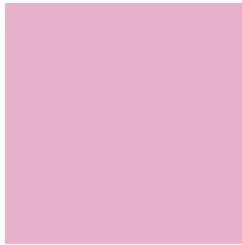


1.5208, 0.7660, 0.8832



# Previews

## White Background



This preview shows how the XYZ color 59.5361, 53.0940, 62.9874 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

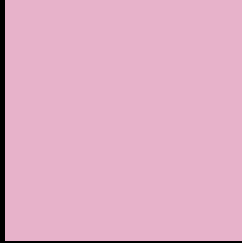
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.5361, 53.0940, 62.9874 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

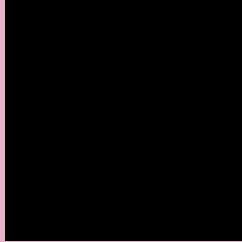
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.5361, 53.0940, 62.9874**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.5361, 53.0940, 62.9874.



This preview shows how white text looks on a background with the XYZ color 59.5361, 53.0940,

62.9874.

# 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

59.5361, 53.0940, 62.9874

### Protanopia

51.9684, 53.4288, 68.5465

### Deuteranopia

54.2081, 53.1207, 62.0398



## Tritanopia

58.3789, 52.9134, 57.5885

# Trichromacy



## Original Color

59.5361, 53.0940, 62.9874

## Protanomaly

54.4864, 53.1675, 66.4221

## Deuteranomaly

56.0020, 53.0970, 62.5555

## Tritanomaly

58.7170, 53.0487, 59.3693

# Monochromacy



## Original Color

59.5361, 53.0940, 62.9874

## Achromatopsia

53.0703, 55.8340, 60.8033

## Achromatomaly

55.0168, 54.5057, 61.6538

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.5361, 53.0940, 62.9874 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(231, 178, 202)` looks like.

```
.text, #text, p{  
    color:rgb(231, 178, 202)  
}
```

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(231, 178, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 178, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 59.5361, 53.0940, 62.9874 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(231, 178, 202) }
```



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

```
.border{ border-color:rgb(231, 178, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 178, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 178, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 178, 202);  
box-shadow:4px 4px 4px 4px rgb(231, 178,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.5361, 53.0940, 62.9874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 178, 202) }
```

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

```
.background{ background-color: rgb(231,  
178, 202) }
```

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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