

Converting Colors

XYZ(53.0487, 33.1330, 42.1413)

Have a look what the booklet for
XYZ(53.0487, 33.1330, 42.1413)
contains.

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Color

**XYZ(53.0525, 33.1240,
42.1255)**

Conversions

Conversions Part 1

Format	Color
Hex	FF63AB
RGB	255, 99, 171
RGB Percent	100%, 39%, 67%
CMY	0.0000, 0.6117, 0.3294
CMYK	0.00, 0.61, 0.33, 0.00
HSL	332°, 100%, 69%
HSV	332°, 61%, 100%
XYZ	53.0525, 33.1240, 42.1255
YIQ	153.8520, 69.8640, 55.4640

Conversions

Conversions Part 2

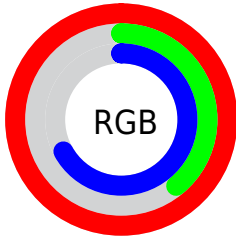
Format	Color
R_{YB}	255, 99, 171
Decimal	16737195
CIE _{Lab}	64.26, 65.73, -7.35
CIE _{LCh}	64, 66.136, 353.618
Yxy	33.1240, 0.4135, 0.2582
Android (android.graphics.Color)	4294927275 (0xFFFF63AB)
YUV	153.8520, 8.4540, 88.7068
Hunter-Lab	57.5535, 63.8219, -3.1091

Details

The XYZ color **53.0525, 33.1240, 42.1255** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **49.4547, 77.5924, 57.1747**, and the grayscale version is **30.5945, 32.1878, 35.0525**.

A 20% lighter version of the original color is **67.0244, 50.8649, 78.2368**, and **26.1789, 14.0033, 18.7759** is the 20% darker color. If you saturate the color by 10%, you get **49.7649, 28.5358, 34.9040**, and if you desaturate by 10%, it is **57.2403, 39.2948, 50.3186**.

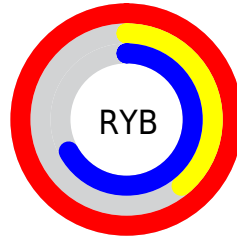
Distribution



Red (100%)

Green (39%)

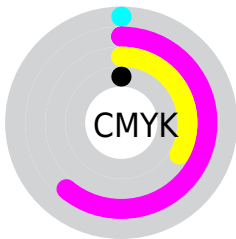
Blue (67%)



Red (100%)

Yellow (39%)

Blue (67%)

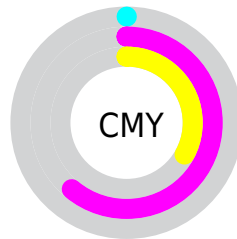


Cyan (0%)

Magenta (61%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (61%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0525, 33.1240, 42.1255 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 53.0525, 33.1240, 42.1255 by changing the saturation by 10% instead.


 53.0525, 33.1240,
42.1255

 53.0525, 33.1240,
42.1255


388.7441,
316.2081, 370.8179


 38.0723, 22.2215,
28.8733


 93.8467, 64.5691,
79.6617

 26.2163, 14.0197,
18.7402

 120.3914, 85.8804,
104.7827

 17.1191, 8.1344,
11.3078


 151.5217,
111.4301, 134.6970

 10.4152, 4.1811,
6.1575

 187.6029,
141.6026, 169.8233

 5.7395, 1.7753,
2.8708

229.0004,
176.7822, 210.5800

 2.7265, 0.4717,
1.0290

276.0795,

 1.0108, 0.0000,

217.3534, 257.3856

0.0000

329.2056,
263.7006, 310.6587

■ 0.0000, 0.0000,
0.0000

■ 53.0525, 33.1240,
42.1255

■ 53.0525, 33.1240,
42.1255

■ 49.7649, 28.5358,
34.9040

■ 57.2403, 39.2948,
50.3186

■ 47.2961, 25.3742,
28.6056

■ 62.3944, 47.1743,
59.5239

■ 45.5530, 23.4600,
23.1783

■ 68.5776, 56.8819,
69.7813

■ 44.4913, 22.5605,
19.0513

■ 75.8462, 68.5245,
81.1277

■ 84.2524, 82.2010,
93.5978

93.8450, 98.0033,
107.2245

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



48.3719, 33.1240, 76.2572



53.0525, 33.1240, 42.1255



51.0939, 33.1240, 19.0628

Triad

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



53.0525, 33.1240, 42.1255



24.7894, 33.1240, 6.4056



21.9417, 33.1240, 95.7707

Complementary

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



53.0525, 33.1240, 42.1255



49.4547, 77.5924, 57.1747

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.



17.6683, 33.1240, 61.0035



53.0525, 33.1240, 42.1255



19.0694, 33.1240, 13.2669

Square

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



53.0525, 33.1240, 42.1255



33.5335, 33.1240, 5.2200



16.7325, 33.1240, 30.6181



29.5186, 33.1240, 115.7301

Rectangle

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



53.0525, 33.1240, 42.1255



46.4478, 33.1240, 10.8623



16.7325, 33.1240, 30.6181



20.1372, 33.1240, 84.7925

Sweetspot

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



53.0534, 33.1257, 42.1261



78.3878, 72.6391, 84.9610



41.8524, 26.1154, 97.4426



16.2784, 14.7384, 17.4317



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.



53.0534, 33.1257, 42.1261



49.2552, 27.8563, 33.6857



48.4639, 32.1038, 15.4490



18.3581, 18.1266, 20.5030



23.3212, 11.8178, 10.3418



2.3251, 1.1724, 1.2937

Inverse Universe

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



53.0534, 33.1257, 42.1261



49.2552, 27.8563, 33.6857



57.3202, 78.1203, 106.6653



18.3581, 18.1266, 20.5030



23.3212, 11.8178, 10.3418



2.3251, 1.1724, 1.2937

Previews

White Background



This preview shows how the XYZ color 53.0525, 33.1240, 42.1255 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 53.0525, 33.1240, 42.1255 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 53.0525, 33.1240, 42.1255

Background



This preview shows how black text looks on a background with the XYZ color 53.0525, 33.1240, 42.1255.



This preview shows how white text looks on a background with the XYZ color 53.0525, 33.1240,

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

53.0525, 33.1240, 42.1255

Protanopia

33.9253, 33.3280, 64.3194

Deuteranopia

33.8259, 33.1024, 39.2569



Tritanopia

48.7381, 33.1861, 20.9763

Trichromacy



Original Color

53.0525, 33.1240, 42.1255



Protanomaly

37.6668, 30.9354, 55.6156



Deuteranomaly

38.9536, 31.5351, 40.1102



Tritanomaly

49.9179, 33.0170, 27.4089

Monochromacy



Original Color

53.0525, 33.1240, 42.1255



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

36.3561, 30.6646, 37.2604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0525, 33.1240, 42.1255 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(255, 99, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 171)  
}
```

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(255, 99, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 171) }
```

Border

The CSS property to change the border of an element to XYZ 53.0525, 33.1240, 42.1255 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(255, 99, 171) }
```


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

```
.border{ border-color:rgb(255, 99, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0525, 33.1240, 42.1255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 171) }
```

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

```
.background{ background-color: rgb(255, 99,  
171) }
```

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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