

Converting Colors

XYZ(55.6697, 32.1913, 62.0102)

Have a look what the booklet for
XYZ(55.6697, 32.1913, 62.0102)
contains.

XYZ(55.7510, 32.2620, 62.3203)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.7510, 32.2620,
62.3203)**

Conversions

Conversions Part 1

Format	Color
Hex	FF55CF
RGB	255, 85, 207
RGB Percent	100%, 33%, 81%
CMY	0.0000, 0.6666, 0.1882
CMYK	0.00, 0.67, 0.19, 0.00
HSL	317°, 100%, 67%
HSV	317°, 67%, 100%
XYZ	55.7510, 32.2620, 62.3203
YIQ	149.7380, 62.1580, 73.9820

Conversions

Conversions Part 2

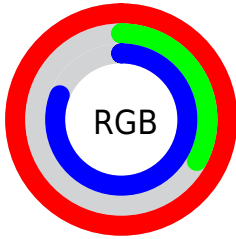
Format	Color
R _{YB}	255, 85, 207
Decimal	16733647
CIE _{Lab}	63.56, 75.62, -28.89
CIE _{LCh}	64, 80.947, 339.094
Y _{xy}	32.2620, 0.3708, 0.2146
Android (android.graphics.Color)	4294923727 (0xFFFF55CF)
Y _{UV}	149.7380, 28.2302, 92.3148
Hunter-Lab	56.7996, 75.8051, -25.2929

Details

The XYZ color **55.7510, 32.2620, 62.3203** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **43.7414, 75.1454, 34.3925**, and the grayscale version is **28.7460, 30.2430, 32.9346**.

A 20% lighter version of the original color is **69.4154, 48.7308, 100.3551**, and **27.9156, 13.7363, 30.8858** is the 20% darker color. If you saturate the color by 10%, you get **53.2323, 28.6013, 57.2362**, and if you desaturate by 10%, it is **59.0343, 37.3874, 67.8580**.

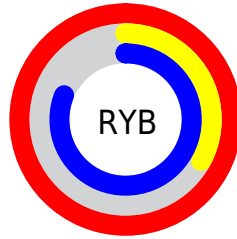
Distribution



Red (100%)

Green (33%)

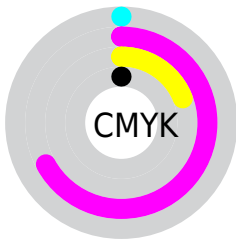
Blue (81%)



Red (100%)

Yellow (33%)

Blue (81%)

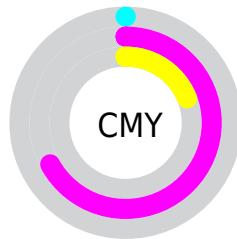


Cyan (0%)

Magenta (67%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (67%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7510, 32.2620, 62.3203 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 55.7510, 32.2620, 62.3203 by changing the saturation by 10% instead.


 55.7510, 32.2620,
62.3203

 55.7510, 32.2620,
62.3203

398.8427,
312.3110, 451.1383


 40.2395, 21.5617,
44.8541

 97.7823, 63.2216,
109.7644

 27.9104, 13.5352,
31.0004


 125.0329, 84.2497,
140.5794

 18.3982, 7.7981,
20.3407


 156.9273,
109.4891, 176.6810

 11.3377, 3.9660,
12.4564

 193.8307,
139.3244, 218.4879

 6.3634, 1.6546,
6.9290

236.1086,
174.1398, 266.4185

 3.1100, 0.3940,
3.3400

284.1264,

 1.2122, 0.0000,

214.3198, 320.8915

1.2707

338.2493,
260.2487, 382.3252

■ 0.1160, 0.0000,
0.0376

■ 0.0000, 0.0000,
0.0000

■ 55.7510, 32.2620,
62.3203

■ 55.7510, 32.2620,
62.3203

■ 53.2323, 28.6013,
57.2362

■ 59.0343, 37.3874,
67.8580

■ 51.3934, 26.2370,
52.5739

■ 63.1501, 44.1128,
73.8734

■ 50.1316, 24.9644,
48.2969

■ 68.1613, 52.5630,
80.3905

■ 49.7869, 24.6788,
46.9375

■ 74.1238, 62.8492,
87.4303

■ 81.0890, 75.0732,
95.0124

■ 89.1043, 89.3293,
103.1550

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.



46.4965, 32.2620, 108.8744



55.7510, 32.2620, 62.3203



57.4918, 32.2620, 26.1869

Triad

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



55.7510, 32.2620, 62.3203



27.3585, 32.2620, 2.5526



16.7100, 32.2620, 90.7474

Complementary

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



55.7510, 32.2620, 62.3203



43.7414, 75.1454, 34.3925

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.



13.8317, 32.2620, 45.9023



55.7510, 32.2620, 62.3203



18.9081, 32.2620, 5.5930

Square

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



55.7510, 32.2620, 62.3203



39.0837, 32.2620, 3.1739



14.5232, 32.2620, 17.2814



23.5498, 32.2620, 131.1341

Rectangle

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



55.7510, 32.2620, 62.3203



53.8218, 32.2620, 12.7358



14.5232, 32.2620, 17.2814



15.3340, 32.2620, 74.8736

Sweetspot

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



55.7518, 32.2635, 62.3209



78.6503, 70.7727, 92.4209



30.5574, 18.4912, 96.5664



16.4139, 14.4100, 19.3249



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.



55.7518, 32.2635, 62.3209



52.5475, 27.6771, 55.6351



48.1701, 29.2308, 22.3962



18.5611, 18.2077, 21.5718



26.0819, 12.9221, 24.8797



2.5863, 1.2769, 2.6691

Inverse Universe

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



55.7518, 32.2635, 62.3209



52.5475, 27.6771, 55.6351



51.8161, 78.3753, 76.9132



18.5611, 18.2077, 21.5718



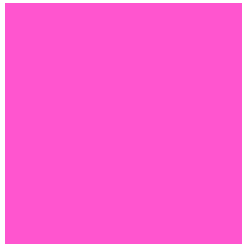
26.0819, 12.9221, 24.8797



2.5863, 1.2769, 2.6691

Previews

White Background



This preview shows how the XYZ color 55.7510, 32.2620, 62.3203 looks on a white background.

Color Contrast Check

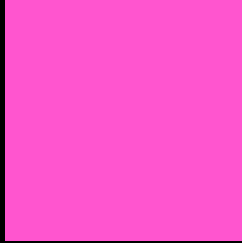
Large Text (above 18pt) WCAG AA × Fail

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 55.7510, 32.2620, 62.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

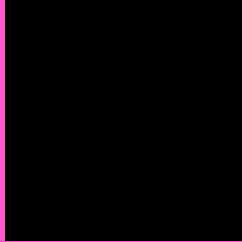
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.7510, 32.2620, 62.3203

Background



This preview shows how black text looks on a background with the XYZ color 55.7510, 32.2620, 62.3203.

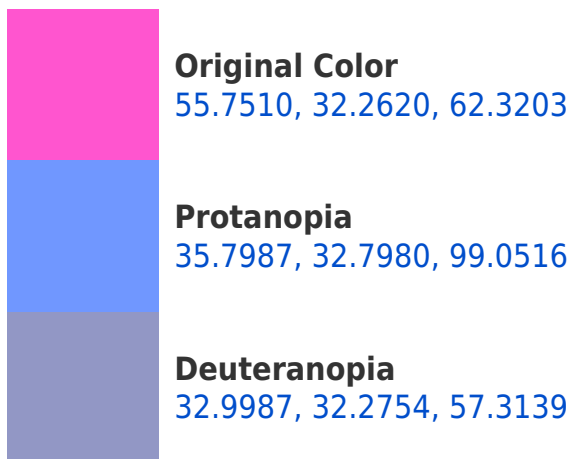


This preview shows how white text looks on a background with the XYZ color 55.7510, 32.2620,

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





Tritanopia

47.1446, 32.2104, 20.5621

Trichromacy



Original Color

55.7510, 32.2620, 62.3203



Protanomaly

38.3318, 29.2443, 84.5133



Deuteranomaly

38.3817, 29.8349, 58.9941



Tritanomaly

49.5830, 31.8334, 32.3853

Monochromacy



Original Color

55.7510, 32.2620, 62.3203



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

35.5506, 28.5533, 42.1657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7510, 32.2620, 62.3203 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, 85, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 85, 207)  
}
```

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, 85, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 207) }
```

Border

The CSS property to change the border of an element to XYZ 55.7510, 32.2620, 62.3203 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, 85, 207) }
```


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

```
.border{ border-color:rgb(255, 85, 207) }
```

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

Here you see how a box with a 4 pixel rgb(255, 85, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 85,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7510, 32.2620, 62.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 207) }
```

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

```
.background{ background-color: rgb(255, 85,  
207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor