

Converting Colors

XYZ(55.3582, 27.2944, 75.0823)

Have a look what the booklet for
XYZ(55.3582, 27.2944, 75.0823)
contains.

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Color

**XYZ(55.3553, 27.3064,
75.0262)**

Conversions

Conversions Part 1

Format	Color
Hex	FF14E3
RGB	255, 20, 227
RGB Percent	100%, 8%, 89%
CMY	0.0000, 0.9214, 0.1098
CMYK	0.00, 0.92, 0.11, 0.00
HSL	307°, 100%, 54%
HSV	307°, 92%, 100%
XYZ	55.3553, 27.3064, 75.0262
YIQ	113.8630, 73.6130, 114.1970

Conversions

Conversions Part 2

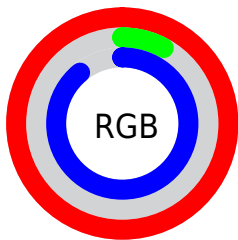
Format	Color
R_{YB}	255, 20, 227
Decimal	16717027
CIE _{Lab}	59.26, 93.17, -46.90
CIE _{LCh}	59, 104.306, 333.281
Yxy	27.3064, 0.3510, 0.1732
Android (android.graphics.Color)	4294907107 (0xFFFF14E3)
YUV	113.8630, 55.7765, 123.7771
Hunter-Lab	52.2555, 97.6414, -48.5471

Details

The XYZ color **55.3553, 27.3064, 75.0262** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **36.5833, 71.8827, 14.7465**, and the grayscale version is **15.7819, 16.6037, 18.0815**.

A 20% lighter version of the original color is **64.6526, 39.2051, 98.7675**, and **29.3430, 14.2777, 39.7374** is the 20% darker color. If you saturate the color by 10%, you get **54.7779, 26.6752, 73.2195**, and if you desaturate by 10%, it is **56.4873, 28.8931, 77.4915**.

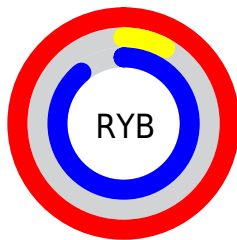
Distribution



Red (100%)

Green (8%)

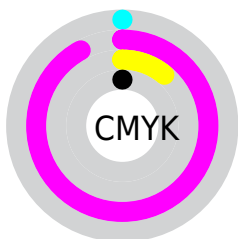
Blue (89%)



Red (100%)

Yellow (8%)

Blue (89%)

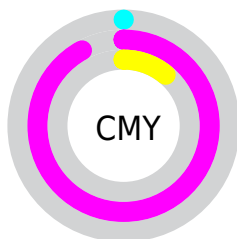


Cyan (0%)

Magenta (92%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (92%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3553, 27.3064, 75.0262 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 55.3553, 27.3064, 75.0262 by changing the saturation by 10% instead.


 55.3553, 27.3064,
75.0262


 55.3553, 27.3064,
75.0262

397.3719,
289.1376, 497.2654


 39.9212, 17.8035,
55.1325

 97.2066, 55.3752,
128.0969


 27.6611, 10.8090,
39.1085


 124.3546, 74.7098,
162.1109


 18.2095, 5.9385,
26.5357


 156.1379, 98.0904,
201.6689

 11.2011, 2.8077,
16.9954

 192.9219,
125.9014, 247.1892

 6.2705, 1.0322,
10.0693

 235.0719,
158.5273, 299.0905

 3.0525, 0.0000,
5.3387

282.9533,

 1.1816, 0.0000,

196.3523, 357.7913

2.3852

336.9316,
239.7610, 423.7101

■ 0.0918, 0.0000,
0.7783

■ 0.0000, 0.0000,
0.0000

■ 55.3553, 27.3064,
75.0262

■ 55.3553, 27.3064,
75.0262

■ 54.7779, 26.6752,
73.2195

■ 56.4873, 28.8931,
77.4915

■ 58.2145, 31.6583,
80.1915

■ 60.6289, 35.7863,
83.1576

■ 63.8065, 41.4284,
86.4151

67.8130, 48.7161,
89.9862

72.7069, 57.7667,
93.8905

78.5416, 68.6865,
98.1459

85.3661, 81.5738,
102.7691

93.2260, 96.5196,
107.7755

Harmonies

Analogous

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



42.2596, 27.3064, 138.9820



55.3553, 27.3064, 75.0262



59.8323, 27.3064, 25.8138

Triad

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



55.3553, 27.3064, 75.0262



24.5471, 27.3064, 0.0000



10.1458, 27.3064, 88.9883

Complementary

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



55.3553, 27.3064, 75.0262



36.5833, 71.8827, 14.7465

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.



8.1239, 27.3064, 34.0279



55.3553, 27.3064, 75.0262



14.4967, 27.3064, 1.0489

Square

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



55.3553, 27.3064, 75.0262



38.9165, 27.3064, 0.6291



9.3988, 27.3064, 7.7419



16.2462, 27.3064, 150.7746

Rectangle

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



55.3553, 27.3064, 75.0262



56.4136, 27.3064, 9.4426



9.3988, 27.3064, 7.7419



9.0800, 27.3064, 68.0305

Sweetspot

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



55.3559, 27.3076, 75.0267



75.0077, 62.0591, 95.6103



19.4937, 8.3365, 95.1894



15.5426, 12.3279, 20.0815



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.



55.3559, 27.3076, 75.0267



54.7779, 26.6752, 73.2195



44.3109, 22.8895, 16.8642



18.6940, 18.2609, 22.2715



28.6596, 13.9531, 38.4535



2.8157, 1.3687, 3.8768

Inverse Universe

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



55.3559, 27.3076, 75.0267



54.7779, 26.6752, 73.2195



42.8343, 74.3831, 47.6634



18.6940, 18.2609, 22.2715



28.6596, 13.9531, 38.4535



2.8157, 1.3687, 3.8768

Previews

White Background



This preview shows how the XYZ color 55.3553, 27.3064, 75.0262 looks on a white background.

Color Contrast Check

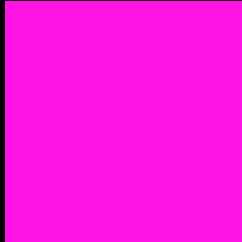
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.3553, 27.3064, 75.0262 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 55.3553, 27.3064, 75.0262

Background



This preview shows how black text looks on a background with the XYZ color 55.3553, 27.3064, 75.0262.



This preview shows how white text looks on a background with the XYZ color 55.3553, 27.3064,

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

55.3553, 27.3064, 75.0262

Protanopia

31.3586, 28.0024, 98.3600

Deuteranopia

28.3653, 27.5948, 66.7821



Tritanopia

42.8146, 27.3814, 14.0949

Trichromacy



Original Color

55.3553, 27.3064, 75.0262



Protanomaly

32.8770, 21.2542, 88.7559



Deuteranomaly

32.3324, 21.6898, 68.8121



Tritanomaly

45.2821, 25.5684, 28.9341

Monochromacy



Original Color

55.3553, 27.3064, 75.0262



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

24.3021, 16.1032, 32.8377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.3553, 27.3064, 75.0262 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, 20, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 20, 227)  
}
```

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, 20, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 20, 227) }
```

Border

The CSS property to change the border of an element to XYZ 55.3553, 27.3064, 75.0262 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, 20, 227) }
```


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

```
.border{ border-color:rgb(255, 20, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 20, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 20, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 20, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 20,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 55.3553, 27.3064, 75.0262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 20, 227) }
```

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

```
.background{ background-color: rgb(255, 20,  
227) }
```

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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