

Converting Colors

XYZ(22.2513, 25.1049, 41.8731)

Have a look what the booklet for
XYZ(22.2513, 25.1049, 41.8731)
contains.

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Color

**XYZ(22.3337, 25.2565,
41.7281)**

Conversions

Conversions Part 1

Format	Color
Hex	648FAA
RGB	100, 143, 170
RGB Percent	39%, 56%, 67%
CMY	0.6078, 0.4392, 0.3333
CMYK	0.41, 0.16, 0.00, 0.33
HSL	203°, 29%, 53%
HSV	203°, 41%, 67%
XYZ	22.3337, 25.2565, 41.7281
YIQ	133.2210, -34.2950, -0.7190

Conversions

Conversions Part 2

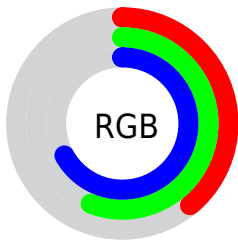
Format	Color
RYB	100, 127, 170
Decimal	6590378
CIELab	57.32, -7.51, -18.85
CIElCh	57, 20.294, 248.268
Yxy	25.2565, 0.2500, 0.2828
Android (android.graphics.Color)	4284780458 (0xFF648FAA)
YUV	133.2210, 18.1320, -29.1348
Hunter-Lab	50.2558, -8.6223, -14.0502

Details

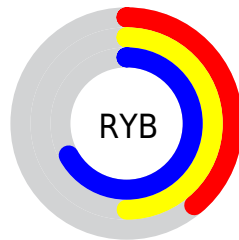
The XYZ color **22.3337, 25.2565, 41.7281** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.4678, 24.6455, 15.4195**, and the grayscale version is **22.3204, 23.4828, 25.5728**.

A 20% lighter version of the original color is **46.8833, 52.2388, 78.8462**, and **8.4033, 9.7651, 18.5815** is the 20% darker color. If you saturate the color by 10%, you get **19.6904, 22.4755, 41.3311**, and if you desaturate by 10%, it is **25.4285, 28.3568, 42.1639**.

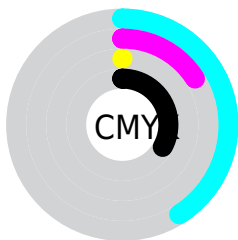
Distribution



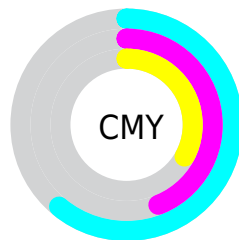
- Red (39%)
- Green (56%)
- Blue (67%)



- Red (39%)
- Yellow (50%)
- Blue (67%)



- Cyan (41%)
- Magenta (16%)
- Yellow (0%)
- Black (33%)



- Cyan (61%)
- Magenta (44%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3337, 25.2565, 41.7281 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 22.3337, 25.2565, 41.7281 by changing the saturation by 10% instead.

■ 22.3337, 25.2565,
41.7281

■ 22.3337, 25.2565,
41.7281

256.8837,
279.1129, 369.1209

■ 14.2203, 16.2683,
28.5645

■ 46.7717, 52.0730,
79.0536

■ 8.3568, 9.7142,
18.5089

■ 63.8269, 70.6701,
104.0525

■ 4.3778, 5.2099,
11.1427

■ 84.5935, 93.2389,
133.8337

■ 1.9180, 2.3709,
6.0475

■ 109.4368,
120.1639, 168.8155

■ 0.5873, 0.8109,
2.8048

138.7221,
151.8294, 209.4166

■ 0.0000, 0.0000,
0.9958

172.8148,

■ 0.0000, 0.0000,

188.6198, 256.0555

0.0000

212.0802,
230.9195, 309.1508

■ 22.3337, 25.2565,
41.7281

■ 22.3337, 25.2565,
41.7281

■ 19.6904, 22.4755,
41.3311

■ 25.4285, 28.3568,
42.1639

■ 17.4705, 19.9962,
40.9695

■ 28.9959, 31.7870,
42.6379

■ 15.6467, 17.8036,
40.6424

■ 33.0583, 35.5606,
43.1522

■ 14.1866, 15.8795,
40.3480

■ 37.6359, 39.6894,
43.7079

■ 13.0522, 14.2027,
40.0841

■ 42.7480, 44.1845,
44.3061

■ 12.2495, 12.8898,
39.8730

■ 48.4126, 49.0567,
44.9479

■ 54.6469, 54.3159,
45.6345

■ 61.4673, 59.9720,
46.3667

■ 68.8896, 66.0342,
47.1457

Harmonies

Analogous

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



20.5549, 25.2565, 36.5449



22.3337, 25.2565, 41.7281



24.6767, 25.2565, 42.7983

Triad

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



22.3337, 25.2565, 41.7281



28.8787, 25.2565, 25.6392



21.2539, 25.2565, 18.3576

Complementary

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



22.3337, 25.2565, 41.7281



26.4678, 24.6455, 15.4195

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.



23.3467, 25.2565, 16.3658



22.3337, 25.2565, 41.7281



27.8223, 25.2565, 20.0862

Square

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



22.3337, 25.2565, 41.7281



28.5625, 25.2565, 32.7010



25.7588, 25.2565, 16.9410



19.9610, 25.2565, 22.8820

Rectangle

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



22.3337, 25.2565, 41.7281



26.2629, 25.2565, 40.8912



25.7588, 25.2565, 16.9410



21.8814, 25.2565, 17.4072

Sweetspot

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



22.3345, 25.2575, 41.7287



59.1684, 63.7765, 78.1935



23.4509, 32.9873, 25.1538



12.9802, 14.0251, 17.4107



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.3345, 25.2575, 41.7287



36.2986, 41.3968, 75.0791



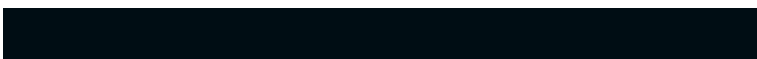
17.8922, 16.3728, 40.2479



7.5009, 8.0388, 9.5746



9.0660, 9.5922, 29.3491



0.2679, 0.3280, 0.7298

Inverse Universe

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



26.0934, 19.6444, 28.4040



44.2296, 30.6403, 46.7209



31.7694, 35.2487, 17.1867



7.7174, 7.6168, 8.8292



14.0767, 7.0394, 10.4814



0.3664, 0.1808, 0.3807

Previews

White Background



This preview shows how the XYZ color 22.3337, 25.2565, 41.7281 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 22.3337, 25.2565, 41.7281 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 22.3337, 25.2565, 41.7281

Background



This preview shows how black text looks on a background with the XYZ color 22.3337, 25.2565, 41.7281.



This preview shows how white text looks on a background with the XYZ color 22.3337, 25.2565,

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

22.3337, 25.2565, 41.7281

Protanopia

24.9558, 25.1502, 39.1365

Deuteranopia

25.6444, 25.0153, 42.5066



Tritanopia

21.0351, 25.1719, 35.6483

Trichromacy



Original Color

22.3337, 25.2565, 41.7281

Protanomaly

23.9534, 25.2483, 40.1702

Deuteranomaly

24.1815, 24.8965, 42.0591

Tritanomaly

21.4246, 25.0965, 37.8973

Monochromacy



Original Color

22.3337, 25.2565, 41.7281

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.0191, 24.0316, 30.6722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3337, 25.2565, 41.7281 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(100, 143, 170)` looks like.

```
.text, #text, p{  
    color:rgb(100, 143, 170)  
}
```

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(100, 143, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 143, 170) }
```

Border

The CSS property to change the border of an element to XYZ 22.3337, 25.2565, 41.7281 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(100, 143, 170) }
```


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

```
.border{ border-color:rgb(100, 143, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 143, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 143, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 143, 170);  
box-shadow:4px 4px 4px 4px rgb(100, 143,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3337, 25.2565, 41.7281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 143, 170) }
```

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

```
.background{ background-color: rgb(100,  
143, 170) }
```

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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