

Converting Colors

XYZ(13.2699, 12.6228, 28.9315)

Have a look what the booklet for
XYZ(13.2699, 12.6228, 28.9315)
contains.

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Color

**XYZ(13.2093, 12.5560,
28.9215)**

Conversions

Conversions Part 1

Format	Color
Hex	556192
RGB	85, 97, 146
RGB Percent	33%, 38%, 57%
CMY	0.6667, 0.6196, 0.4274
CMYK	0.42, 0.34, 0.00, 0.43
HSL	228°, 26%, 45%
HSV	228°, 42%, 57%
XYZ	13.2093, 12.5560, 28.9215
YIQ	98.9980, -22.8810, 12.6950

Conversions

Conversions Part 2

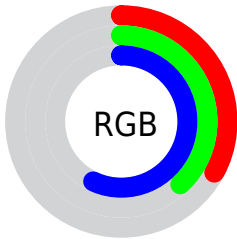
Format	Color
R_{YB}	85, 95, 146
Decimal	5595538
CIE _{Lab}	42.09, 8.62, -28.41
CIE _{LCh}	42, 29.692, 286.872
Yxy	12.5560, 0.2415, 0.2296
Android (android.graphics.Color)	4283785618 (0xFF556192)
YUV	98.9980, 23.1720, -12.2762
Hunter-Lab	35.4344, 4.5312, -23.5882

Details

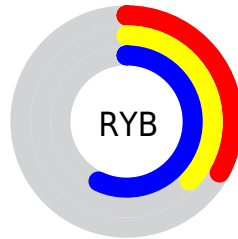
The XYZ color **13.2093, 12.5560, 28.9215** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.0192, 23.8175, 12.0315**, and the grayscale version is **11.8072, 12.4221, 13.5277**.

A 20% lighter version of the original color is **31.1756, 30.3559, 58.8597**, and **3.9091, 3.5340, 11.3026** is the 20% darker color. If you saturate the color by 10%, you get **11.0134, 9.9326, 28.5311**, and if you desaturate by 10%, it is **15.8399, 15.6418, 29.3787**.

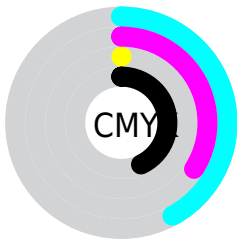
Distribution



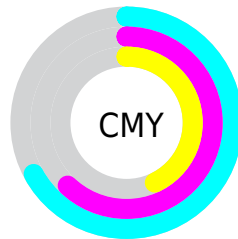
- Red (33%)
- Green (38%)
- Blue (57%)



- Red (33%)
- Yellow (37%)
- Blue (57%)



- Cyan (42%)
- Magenta (34%)
- Yellow (0%)
- Black (43%)



- Cyan (67%)
- Magenta (62%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2093, 12.5560, 28.9215 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 13.2093, 12.5560, 28.9215 by changing the saturation by 10% instead.

■ 13.2093, 12.5560,
28.9215

■ 13.2093, 12.5560,
28.9215

205.8653,
208.0522, 310.8937

■ 7.6508, 7.1235,
18.7764

■ 31.2774, 30.5038,
58.9930

■ 3.9223, 3.5395,
11.3336

■ 44.5178, 43.7879,
79.7565

■ 1.6582, 1.4194,
6.1747

■ 61.0494, 60.4580,
104.8966

■ 0.4299, 0.2310,
2.8811

■ 81.2378, 80.8985,
134.8317

■ 0.0000, 0.0000,
1.0343

■ 105.4482,
105.4937, 169.9804

■ 0.0000, 0.0000,
0.0000

134.0461,

134.6282, 210.7613

167.3966,
168.6862, 257.5929

■ 13.2093, 12.5560,
28.9215

■ 13.2093, 12.5560,
28.9215

■ 11.0134, 9.9326,
28.5311

■ 15.8399, 15.6418,
29.3787

■ 9.2268, 7.7475,
28.2035

■ 18.9258, 19.2097,
29.9047

■ 7.8236, 5.9764,
27.9356

■ 22.4881, 23.2800,
30.5026

■ 6.7743, 4.5919,
27.7237

■ 26.5461, 27.8714,
31.1750

■ 6.0447, 3.5630,
27.5635

■ 31.1179, 33.0016,
31.9242

■ 5.6209, 2.9404,
27.4657

■ 36.2208, 38.6875,
32.7528

■ 41.8713, 44.9452,
33.6628

■ 48.0850, 51.7901,
34.6565

■ 54.8772, 59.2372,
35.7360

Harmonies

Analogous

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



10.9955, 12.5560, 29.2617



13.2093, 12.5560, 28.9215



15.3088, 12.5560, 23.7829

Triad

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



13.2093, 12.5560, 28.9215



15.0784, 12.5560, 6.5785



8.2584, 12.5560, 11.0913

Complementary

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



13.2093, 12.5560, 28.9215



22.0192, 23.8175, 12.0315

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.



9.0958, 12.5560, 6.9295



13.2093, 12.5560, 28.9215



12.9247, 12.5560, 4.9194

Square

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



13.2093, 12.5560, 28.9215



16.4758, 12.5560, 10.4371



10.7437, 12.5560, 5.0241



8.3147, 12.5560, 17.5130

Rectangle

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



13.2093, 12.5560, 28.9215



16.2801, 12.5560, 19.0254



10.7437, 12.5560, 5.0241



8.4398, 12.5560, 9.4297

Sweetspot

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



13.2097, 12.5565, 28.9218



38.6845, 39.9455, 53.6449



18.3147, 24.2051, 26.1883



8.3159, 8.5560, 11.8854



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.2097, 12.5565, 28.9218



19.6999, 17.8495, 50.3806



14.0653, 11.4742, 28.6678



5.5864, 5.8068, 7.2961



4.9597, 2.6142, 24.1742



0.0777, 0.0659, 0.3015

Inverse Universe

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



17.2606, 13.4715, 13.0002



27.9214, 20.0385, 17.9925



20.7760, 25.7799, 12.4759



5.8447, 5.8329, 6.2882



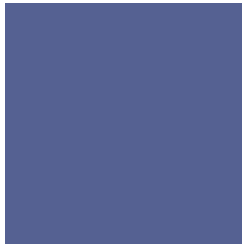
10.6305, 5.4573, 1.5353



0.1387, 0.0702, 0.0639

Previews

White Background



This preview shows how the XYZ color 13.2093, 12.5560, 28.9215 looks on a white background.

Color Contrast Check

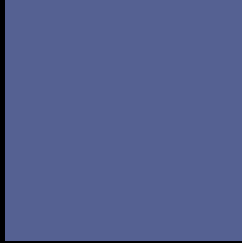
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 13.2093, 12.5560, 28.9215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

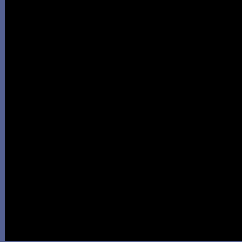
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

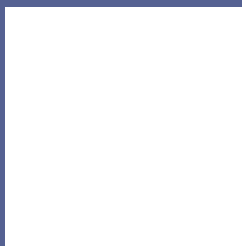
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2093, 12.5560, 28.9215

Background



This preview shows how black text looks on a background with the XYZ color 13.2093, 12.5560, 28.9215.

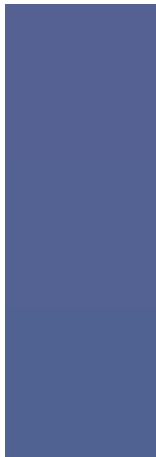


This preview shows how white text looks on a background with the XYZ color 13.2093, 12.5560,

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

13.2093, 12.5560, 28.9215

Protanopia

13.1233, 12.6497, 28.9441

Deuteranopia

12.7804, 12.4730, 28.9280



Tritanopia

10.8554, 12.6070, 17.1905

Trichromacy



Original Color

13.2093, 12.5560, 28.9215

Protanomaly

13.2121, 12.6955, 28.9483

Deuteranomaly

12.9493, 12.5600, 28.9360

Tritanomaly

11.5162, 12.4249, 20.8601

Monochromacy



Original Color

13.2093, 12.5560, 28.9215

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1362, 12.3760, 18.2722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2093, 12.5560, 28.9215 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(85, 97, 146) looks like.

```
.text, #text, p{  
    color:rgb(85, 97, 146)  
}
```

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(85, 97, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 97, 146) }
```

Border

The CSS property to change the border of an element to XYZ 13.2093, 12.5560, 28.9215 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(85, 97, 146) }
```


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

```
.border{ border-color:rgb(85, 97, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 97, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 97, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 97, 146);  
box-shadow:4px 4px 4px 4px rgb(85, 97,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2093, 12.5560, 28.9215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 97, 146) }
```

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

```
.background{ background-color: rgb(85, 97,  
146) }
```

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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