

Converting Colors

XYZ(13.3256, 12.6059, 18.6075)

Have a look what the booklet for
XYZ(13.3256, 12.6059, 18.6075)
contains.

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Color

**XYZ(13.2470, 12.5329,
18.5505)**

Conversions

Conversions Part 1

Format	Color
Hex	6A5F75
RGB	106, 95, 117
RGB Percent	42%, 37%, 46%
CMY	0.5843, 0.6274, 0.5412
CMYK	0.09, 0.19, 0.00, 0.54
HSL	270°, 10%, 42%
HSV	270°, 19%, 46%
XYZ	13.2470, 12.5329, 18.5505
YIQ	100.7970, -0.5060, 9.1740

Conversions

Conversions Part 2

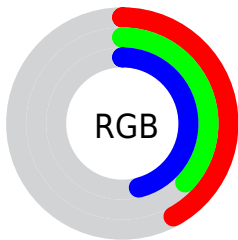
Format	Color
R_{YB}	106, 95, 117
Decimal	6971253
CIE _{Lab}	42.05, 9.02, -10.79
CIE _{LCh}	42, 14.059, 309.897
Yxy	12.5329, 0.2988, 0.2827
Android (android.graphics.Color)	4285161333 (0xFF6A5F75)
YUV	100.7970, 7.9881, 4.5630
Hunter-Lab	35.4018, 4.8396, -6.2866

Details

The XYZ color **13.2470, 12.5329, 18.5505** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.3709, 16.6132, 13.2762**, and the grayscale version is **12.2978, 12.9382, 14.0897**.

A 20% lighter version of the original color is **31.1915, 30.2835, 41.7374**, and **3.9761, 3.5561, 6.1071** is the 20% darker color. If you saturate the color by 10%, you get **11.5997, 10.2352, 18.1940**, and if you desaturate by 10%, it is **15.1008, 15.1728, 18.9625**.

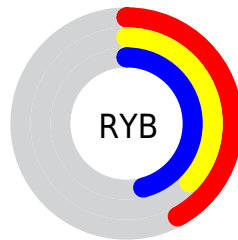
Distribution



Red (42%)

Green (37%)

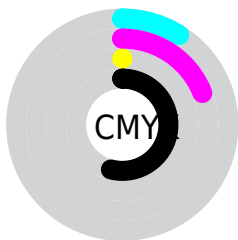
Blue (46%)



Red (42%)

Yellow (37%)

Blue (46%)

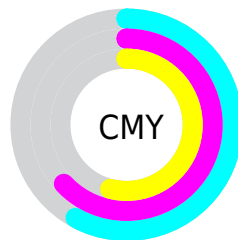


Cyan (9%)

Magenta (19%)

Yellow (0%)

Black (54%)



Cyan (58%)

Magenta (63%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2470, 12.5329, 18.5505 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 13.2470, 12.5329, 18.5505 by changing the saturation by 10% instead.

■ 13.2470, 12.5329,
18.5505

■ 13.2470, 12.5329,
18.5505

206.1004,
207.9020, 256.2954

■ 7.6770, 7.1077,
11.1724

■ 31.3444, 30.4620,
41.7997

■ 3.9390, 3.5295,
6.0673

■ 44.6025, 43.7347,
58.5079

■ 1.6677, 1.4140,
2.8166

■ 61.1540, 60.3921,
79.1632

■ 0.4359, 0.2270,
1.0018

■ 81.3643, 80.8184,
104.1841

■ 0.0000, 0.0000,
0.0000

105.5987,
105.3982, 133.9893

134.2227,

134.5158, 168.9972

167.6014,
168.5556, 209.6264

■ 13.2470, 12.5329,
18.5505

■ 13.2470, 12.5329,
18.5505

■ 11.5997, 10.2352,
18.1940

■ 15.1008, 15.1728,
18.9625

■ 10.1498, 8.2635,
17.8899

■ 17.1675, 18.1668,
19.4315

■ 8.8891, 6.6027,
17.6357

■ 19.4546, 21.5285,
19.9599

■ 7.8085, 5.2358,
17.4289

■ 21.9688, 25.2701,
20.5495

■ 6.8978, 4.1442,
17.2662

■ 24.7166, 29.4033,
21.2025

6.1458, 3.3071,
17.1442

27.7041, 33.9392,
21.9206

5.5397, 2.7005,
17.0591

30.9374, 38.8885,
22.7055

5.0419, 2.2508,
16.9985

34.4222, 44.2616,
23.5589

4.9852, 2.1991,
16.9915

38.1640, 50.0683,
24.4825

Harmonies

Analogous

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



12.2606, 12.5329, 20.1312



13.2470, 12.5329, 18.5505



13.8990, 12.5329, 15.7197

Triad

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



13.2470, 12.5329, 18.5505



12.6157, 12.5329, 8.9271



10.0416, 12.5329, 14.6586

Complementary

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



13.2470, 12.5329, 18.5505



14.3709, 16.6132, 13.2762

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.



10.1243, 12.5329, 11.7636



13.2470, 12.5329, 18.5505



11.5704, 12.5329, 8.7290

Square

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



13.2470, 12.5329, 18.5505



13.5200, 12.5329, 10.2801



10.6701, 12.5329, 9.6928



10.4371, 12.5329, 17.6769

Rectangle

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



13.2470, 12.5329, 18.5505



14.0350, 12.5329, 13.6566



10.6701, 12.5329, 9.6928



10.0149, 12.5329, 13.6358

Sweetspot

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



13.2474, 12.5334, 18.5508



27.9829, 28.5262, 34.1682



13.0846, 14.0257, 18.8474



6.3948, 6.5025, 7.8470



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.2474, 12.5334, 18.5508



22.2630, 20.3967, 32.9006



14.6395, 13.2511, 18.6159



3.6588, 3.6714, 4.6061



5.4747, 2.4136, 18.7199



25.6907, 11.2525, 91.1782

Inverse Universe

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



14.0301, 13.0073, 15.4071



23.9946, 21.4451, 25.9458



13.1465, 15.9820, 13.2189



3.7532, 3.7286, 4.2271



8.9304, 4.5059, 4.8418



43.0866, 21.7848, 21.3172

Previews

White Background



This preview shows how the XYZ color 13.2470, 12.5329, 18.5505 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 13.2470, 12.5329, 18.5505 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 13.2470, 12.5329, 18.5505

Background



This preview shows how black text looks on a background with the XYZ color 13.2470, 12.5329, 18.5505.



This preview shows how white text looks on a background with the XYZ color 13.2470, 12.5329,

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

13.2470, 12.5329, 18.5505

Protanopia

12.4168, 12.5002, 19.2111

Deuteranopia

12.8524, 12.6004, 18.5844



Tritanopia

12.5334, 12.5124, 15.1191

Trichromacy



Original Color

13.2470, 12.5329, 18.5505

Protanomaly

12.6903, 12.5100, 18.8854

Deuteranomaly

12.9873, 12.5337, 18.5644

Tritanomaly

12.7689, 12.4731, 16.2026

Monochromacy



Original Color

13.2470, 12.5329, 18.5505

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.7092, 12.8688, 15.7240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2470, 12.5329, 18.5505 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(106, 95, 117)` looks like.

```
.text, #text, p{  
    color:rgb(106, 95, 117)  
}
```

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(106, 95, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 95, 117) }
```

Border

The CSS property to change the border of an element to XYZ 13.2470, 12.5329, 18.5505 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(106, 95, 117) }
```


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

```
.border{ border-color:rgb(106, 95, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 95, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 95, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 95, 117); box-shadow:4px 4px 4px 4px rgb(106, 95, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2470, 12.5329, 18.5505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 95, 117) }
```

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

```
.background{ background-color: rgb(106, 95,  
117) }
```

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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