

Converting Colors

XYZ(12.3907, 10.1939, 20.4749)

Have a look what the booklet for
XYZ(12.3907, 10.1939, 20.4749)
contains.

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Color

**XYZ(12.4506, 10.2567,
20.3923)**

Conversions

Conversions Part 1

Format	Color
Hex	6A507C
RGB	106, 80, 124
RGB Percent	42%, 31%, 49%
CMY	0.5843, 0.6863, 0.5137
CMYK	0.15, 0.35, 0.00, 0.51
HSL	275°, 22%, 40%
HSV	275°, 35%, 49%
XYZ	12.4506, 10.2567, 20.3923
YIQ	92.7900, 1.3720, 19.1960

Conversions

Conversions Part 2

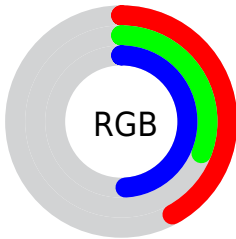
Format	Color
RYB	106, 80, 124
Decimal	6967420
CIELab	38.30, 19.89, -20.81
CIElCh	38, 28.782, 313.700
Yxy	10.2567, 0.2889, 0.2380
Android (android.graphics.Color)	4285157500 (0xFF6A507C)
YUV	92.7900, 15.3865, 11.5852
Hunter-Lab	32.0261, 13.3488, -15.3341

Details

The XYZ color **12.4506, 10.2567, 20.3923** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **13.6929, 17.5914, 10.2636**, and the grayscale version is **10.3209, 10.8584, 11.8248**.

A 20% lighter version of the original color is **30.0190, 26.4087, 45.1102**, and **3.6160, 2.6096, 6.9697** is the 20% darker color. If you saturate the color by 10%, you get **11.0401, 8.3041, 20.0899**, and if you desaturate by 10%, it is **14.0651, 12.5637, 20.7527**.

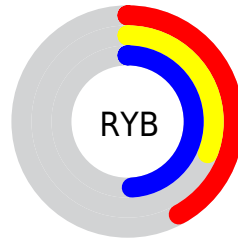
Distribution



Red (42%)

Green (31%)

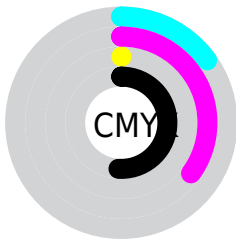
Blue (49%)



Red (42%)

Yellow (31%)

Blue (49%)

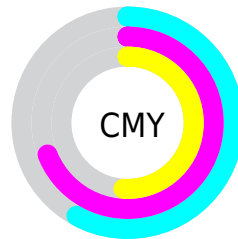


Cyan (15%)

Magenta (35%)

Yellow (0%)

Black (51%)



Cyan (58%)

Magenta (69%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4506, 10.2567, 20.3923 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 12.4506, 10.2567, 20.3923 by changing the saturation by 10% instead.

■ 12.4506, 10.2567,
20.3923

■ 12.4506, 10.2567,
20.3923

201.0756,
192.4945, 266.7052

■ 7.1257, 5.5695,
12.4936

■ 29.9230, 26.2772,
44.9415

■ 3.5879, 2.5851,
6.9542

■ 42.8011, 38.3793,
62.4291

■ 1.4717, 0.9192,
3.3555

■ 58.9278, 53.7218,
83.9502

■ 0.3065, 0.0000,
1.2789

■ 78.6683, 72.6892,
109.9231

■ 0.0000, 0.0000,
0.0444

■ 102.3879, 95.6657,
140.7666

■ 0.0000, 0.0000,
0.0000

130.4521,

123.0358, 176.8990

163.2262,
155.1840, 218.7390

■ 12.4506, 10.2567,
20.3923

■ 12.4506, 10.2567,
20.3923

■ 11.0401, 8.3041,
20.0899

■ 14.0651, 12.5637,
20.7527

■ 9.8226, 6.6858,
19.8417

■ 15.8915, 15.2412,
21.1732

■ 8.7878, 5.3818,
19.6446

■ 17.9389, 18.3058,
21.6568

■ 7.9238, 4.3690,
19.4946

■ 20.2153, 21.7728,
22.2060

■ 7.2168, 3.6213,
19.3875

■ 22.7282, 25.6564,
22.8232

6.6450, 3.0956,
19.3162

25.4848, 29.9705,
23.5106

6.4065, 2.8824,
19.2876

28.4921, 34.7279,
24.2704

31.7568, 39.9412,
25.1046

35.2851, 45.6224,
26.0152

Harmonies

Analogous

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



10.6256, 10.2567, 24.4617



12.4506, 10.2567, 20.3923



13.6242, 10.2567, 14.3153

Triad

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



12.4506, 10.2567, 20.3923



10.7933, 10.2567, 3.9118



6.6553, 10.2567, 13.7893

Complementary

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



12.4506, 10.2567, 20.3923



13.6929, 17.5914, 10.2636

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.



6.6881, 10.2567, 8.5192



12.4506, 10.2567, 20.3923



8.9214, 10.2567, 3.8521

Square

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



12.4506, 10.2567, 20.3923



12.5869, 10.2567, 5.4560



7.4690, 10.2567, 5.2536



7.3728, 10.2567, 19.9027

Rectangle

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



12.4506, 10.2567, 20.3923



13.7962, 10.2567, 10.5161



7.4690, 10.2567, 5.2536



6.5821, 10.2567, 11.8459

Sweetspot

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



12.4509, 10.2571, 20.3925



29.4379, 29.0127, 37.6051



11.3456, 11.9590, 20.7793



6.8422, 6.6972, 8.8351



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.4509, 10.2571, 20.3925



19.7691, 15.0780, 35.4250



14.5915, 11.3869, 19.3046



4.0034, 3.9996, 5.0042



6.5098, 2.9287, 19.6075



30.0686, 13.4629, 93.4836

Inverse Universe

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



13.3857, 10.9046, 12.9549



21.7974, 16.4728, 19.7460



12.1034, 16.7559, 10.9159



4.0600, 4.0397, 4.5134



9.0502, 4.5962, 3.5555



42.7700, 21.7644, 14.8510

Previews

White Background



This preview shows how the XYZ color 12.4506, 10.2567, 20.3923 looks on a white background.

Color Contrast Check

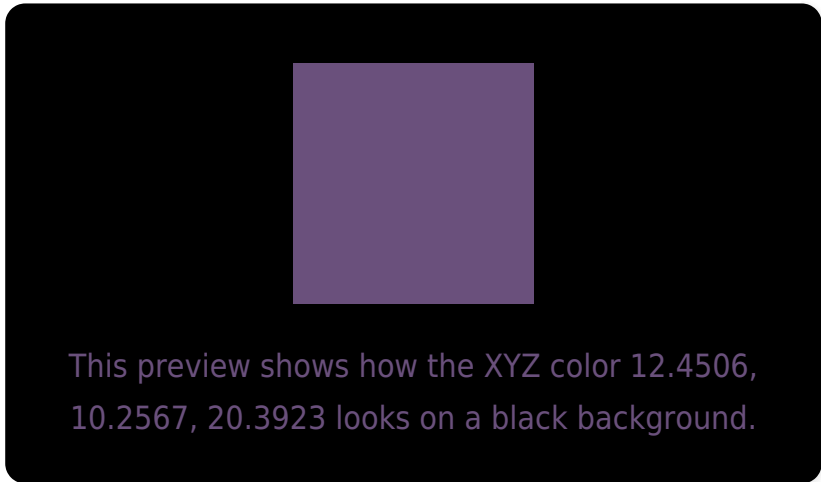
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.4506, 10.2567, 20.3923

Background



This preview shows how black text looks on a background with the XYZ color 12.4506, 10.2567, 20.3923.

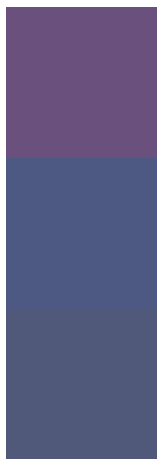


This preview shows how white text looks on a background with the XYZ color 12.4506, 10.2567,

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

12.4506, 10.2567, 20.3923

Protanopia

10.7297, 10.3612, 22.9071

Deuteranopia

10.4786, 10.2992, 19.8480



Tritanopia

10.6704, 10.2126, 11.7648

Trichromacy



Original Color

12.4506, 10.2567, 20.3923

Protanomaly

11.2486, 10.2888, 21.8151

Deuteranomaly

11.1194, 10.2593, 20.1331

Tritanomaly

11.2625, 10.2237, 14.4765

Monochromacy



Original Color

12.4506, 10.2567, 20.3923

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.0254, 10.5756, 14.5569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4506, 10.2567, 20.3923 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, 80, 124)` looks like.

```
.text, #text, p{  
    color:rgb(106, 80, 124)  
}
```

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, 80, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 80, 124) }
```

Border

The CSS property to change the border of an element to XYZ 12.4506, 10.2567, 20.3923 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, 80, 124) }
```


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

```
.border{ border-color:rgb(106, 80, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 80, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 80, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 80, 124);  
box-shadow:4px 4px 4px 4px rgb(106, 80,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4506, 10.2567, 20.3923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 80, 124) }
```

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

```
.background{ background-color: rgb(106, 80,  
124) }
```

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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