

Converting Colors

XYZ(21.0908, 16.4522, 12.6993)

Have a look what the booklet for
XYZ(21.0908, 16.4522, 12.6993)
contains.

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Color

**XYZ(21.0390, 16.4234,
12.6508)**

Conversions

Conversions Part 1

Format	Color
Hex	A35D5E
RGB	163, 93, 94
RGB Percent	64%, 36%, 37%
CMY	0.3608, 0.6353, 0.6314
CMYK	0.00, 0.43, 0.42, 0.36
HSL	359°, 28%, 50%
HSV	359°, 43%, 64%
XYZ	21.0390, 16.4234, 12.6508
YIQ	114.0440, 41.3990, 15.1510

Conversions

Conversions Part 2

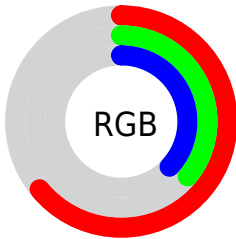
Format	Color
RYB	163, 93, 94
Decimal	10706270
CIELab	47.53, 28.64, 11.93
CIElCh	48, 31.030, 22.618
Yxy	16.4234, 0.4198, 0.3277
Android (android.graphics.Color)	4288896350 (0xFFA35D5E)
YUV	114.0440, -9.8817, 42.9344
Hunter-Lab	40.5258, 21.7483, 9.8597

Details

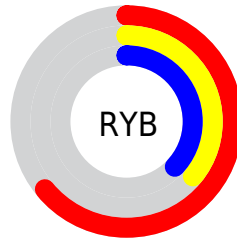
The XYZ color **21.0390, 16.4234, 12.6508** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.1338, 31.1306, 38.9211**, and the grayscale version is **16.0279, 16.8626, 18.3633**.

A 20% lighter version of the original color is **44.5225, 37.1758, 31.2146**, and **7.6562, 5.2783, 3.4116** is the 20% darker color. If you saturate the color by 10%, you get **19.1102, 13.6021, 8.8133**, and if you desaturate by 10%, it is **23.4237, 19.9162, 17.3811**.

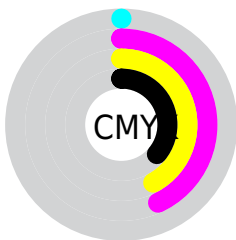
Distribution



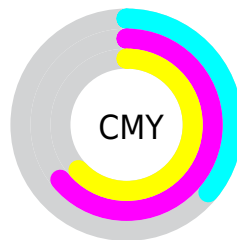
- Red (64%)
- Green (36%)
- Blue (37%)



- Red (64%)
- Yellow (36%)
- Blue (37%)



- Cyan (0%)
- Magenta (43%)
- Yellow (42%)
- Black (36%)





- Cyan (36%)
- Magenta (64%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0390, 16.4234, 12.6508 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 21.0390, 16.4234, 12.6508 by changing the saturation by 10% instead.


 21.0390, 16.4234,
12.6508


 21.0390, 16.4234,
12.6508


250.2135,
231.8273, 219.7961


 13.2651, 9.8243,
7.0606

 44.6432, 37.3317,
31.3569


 7.6896, 5.2826,
3.4210


 61.2043, 52.4096,
45.3100

 3.9471, 2.4140,
1.3134

 81.4251, 71.0826,
62.8877

 1.6723, 0.8331,
0.0728

 105.6711, 93.7351,
84.5087

 0.4388, 0.0000,
0.0000

134.3076,
120.7514, 110.5915

 0.0000, 0.0000,
0.0000

167.6999,

152.5159, 141.5547

206.2134,
189.4131, 177.8167

■ 21.0390, 16.4234,
12.6508

■ 21.0390, 16.4234,
12.6508

■ 19.1102, 13.6021,
8.8133

■ 23.4237, 19.9162,
17.3811

■ 17.6072, 11.4071,
5.8117

■ 26.2894, 24.1172,
23.0545

■ 16.4980, 9.7914,
3.5842

■ 29.6610, 29.0633,
29.7184

■ 15.7458, 8.7002,
2.0596

■ 33.5611, 34.7882,
37.4170

■ 15.3068, 8.0684,
1.1541

■ 38.0113, 41.3233,
46.1917

■ 15.1170, 7.7916,
0.7738

■ 43.0315, 48.6986,
56.0817

■ 48.6411, 56.9424,
67.1243

■ 54.8582, 66.0816,
79.3547

■ 61.7004, 76.1421,
92.8072

Harmonies

Analogous

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



21.4865, 16.4234, 19.9069



21.0390, 16.4234, 12.6508



19.0586, 16.4234, 8.3201

Triad

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



21.0390, 16.4234, 12.6508



11.7614, 16.4234, 10.1510



14.9380, 16.4234, 37.5863

Complementary

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



21.0390, 16.4234, 12.6508



24.1338, 31.1306, 38.9211

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.



12.6046, 16.4234, 32.8820



21.0390, 16.4234, 12.6508



10.9163, 16.4234, 15.9998

Square

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



21.0390, 16.4234, 12.6508



13.6566, 16.4234, 7.2018



11.2058, 16.4234, 24.3876



17.7412, 16.4234, 35.9007

Rectangle

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



21.0390, 16.4234, 12.6508



17.2496, 16.4234, 6.9459



11.2058, 16.4234, 24.3876



14.0777, 16.4234, 36.6619

Sweetspot

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



21.0394, 16.4242, 12.6511



52.9263, 51.7652, 52.8397



25.3921, 18.1378, 36.8130



11.5829, 11.1800, 11.2668



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.0394, 16.4242, 12.6511



34.2181, 24.3503, 15.7701



24.6484, 23.7133, 13.6350



7.0777, 7.0875, 7.3954



11.7502, 6.0561, 0.6090



0.2481, 0.1277, 0.0189

Inverse Universe

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



21.0394, 16.4242, 12.6511



34.2181, 24.3503, 15.7701



18.9981, 20.7168, 37.6478



7.0777, 7.0875, 7.3954



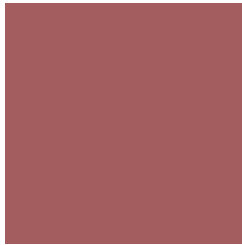
11.7502, 6.0561, 0.6090



0.2481, 0.1277, 0.0189

Previews

White Background



This preview shows how the XYZ color 21.0390, 16.4234, 12.6508 looks on a white background.

Color Contrast Check

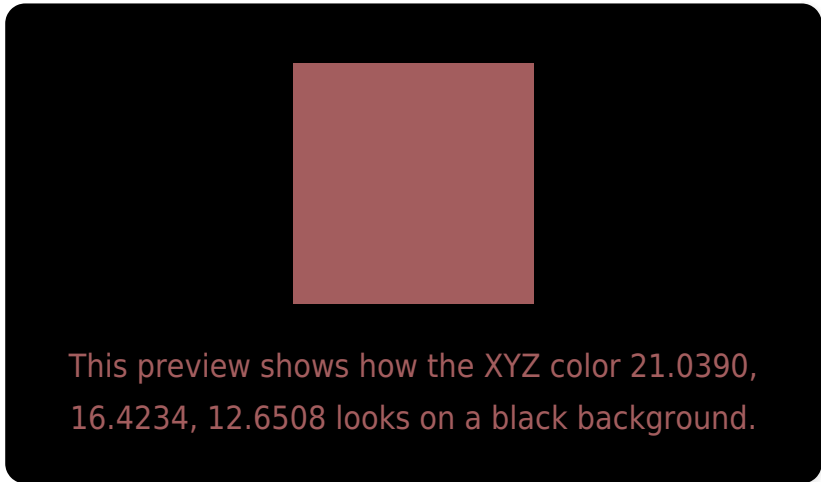
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0390, 16.4234, 12.6508

Background



This preview shows how black text looks on a background with the XYZ color 21.0390, 16.4234, 12.6508.



This preview shows how white text looks on a background with the XYZ color 21.0390, 16.4234,

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

21.0390, 16.4234, 12.6508

Protanopia

15.7399, 16.5916, 15.4696

Deuteranopia

16.8727, 16.5981, 12.2120



Tritanopia

21.1835, 16.3417, 13.8421

Trichromacy



Original Color

21.0390, 16.4234, 12.6508

Protanomaly

17.2858, 16.2965, 14.2911

Deuteranomaly

18.1097, 16.3128, 12.3194

Tritanomaly

21.0891, 16.3039, 13.3447

Monochromacy



Original Color

21.0390, 16.4234, 12.6508

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.3236, 16.2751, 16.1383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0390, 16.4234, 12.6508 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(163, 93, 94)` looks like.

```
.text, #text, p{  
    color:rgb(163, 93, 94)  
}
```

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(163, 93, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 93, 94) }
```

Border

The CSS property to change the border of an element to XYZ 21.0390, 16.4234, 12.6508 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(163, 93, 94) }
```


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

```
.border{ border-color:rgb(163, 93, 94) }
```

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

Here you see how a box with a 4 pixel rgb(163, 93, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 93, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 93, 94);  
box-shadow:4px 4px 4px 4px rgb(163, 93,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0390, 16.4234, 12.6508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 93, 94) }
```

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

```
.background{ background-color: rgb(163, 93,  
94) }
```

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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