

Converting Colors

XYZ(20.4496, 15.2873, 12.5362)

Have a look what the booklet for
XYZ(20.4496, 15.2873, 12.5362)
contains.

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Color

**XYZ(20.4524, 15.2503,
12.4553)**

Conversions

Conversions Part 1

Format	Color
Hex	A3565E
RGB	163, 86, 94
RGB Percent	64%, 34%, 37%
CMY	0.3608, 0.6627, 0.6314
CMYK	0.00, 0.47, 0.42, 0.36
HSL	354°, 31%, 49%
HSV	354°, 47%, 64%
XYZ	20.4524, 15.2503, 12.4553
YIQ	109.9350, 43.3240, 18.8120

Conversions

Conversions Part 2

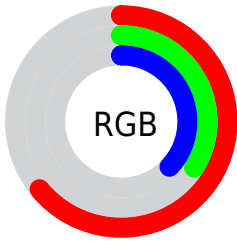
Format	Color
RYB	163, 86, 94
Decimal	10704478
CIELab	45.98, 32.49, 9.77
CIElCh	46, 33.923, 16.733
Yxy	15.2503, 0.4247, 0.3167
Android (android.graphics.Color)	4288894558 (0xFFA3565E)
YUV	109.9350, -7.8560, 46.5380
Hunter-Lab	39.0516, 25.1449, 8.4259

Details

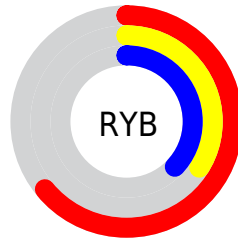
The XYZ color **20.4524, 15.2503, 12.4553** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.8521, 30.5396, 35.7026**, and the grayscale version is **14.8160, 15.5875, 16.9748**.

A 20% lighter version of the original color is **43.4949, 35.1206, 30.8721**, and **7.3794, 4.7247, 3.3193** is the 20% darker color. If you saturate the color by 10%, you get **18.7016, 12.7003, 8.9381**, and if you desaturate by 10%, it is **22.6249, 18.4450, 16.7254**.

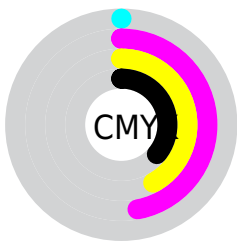
Distribution



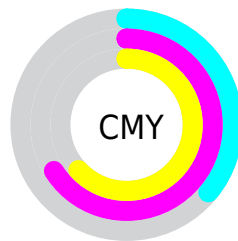
- Red (64%)
- Green (34%)
- Blue (37%)



- Red (64%)
- Yellow (34%)
- Blue (37%)



- Cyan (0%)
- Magenta (47%)
- Yellow (42%)
- Black (36%)



- Cyan (36%)
- Magenta (66%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4524, 15.2503, 12.4553 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 20.4524, 15.2503, 12.4553 by changing the saturation by 10% instead.

■ 20.4524, 15.2503,
12.4553

■ 20.4524, 15.2503,
12.4553

247.1410,
224.8763, 218.4804

■ 12.8345, 8.9952,
6.9283

■ 43.6726, 35.2917,
30.9984

■ 7.3909, 4.7381,
3.3395

■ 60.0055, 49.8468,
44.8515

■ 3.7562, 2.0944,
1.2705

■ 79.9742, 67.9374,
62.3171

■ 1.5652, 0.6615,
0.0374

■ 103.9440, 89.9478,
83.8136

■ 0.3695, 0.0000,
0.0000

■ 132.2802,
116.2626, 109.7597

■ 0.0000, 0.0000,
0.0000

165.3482,

147.2659, 140.5738

203.5133,
183.3424, 176.6746

■ 20.4524, 15.2503,
12.4553

■ 20.4524, 15.2503,
12.4553

■ 18.7016, 12.7003,
8.9381

■ 22.6249, 18.4450,
16.7254

■ 17.3438, 10.7490,
6.1292

■ 25.2428, 22.3218,
21.7877

■ 16.3486, 9.3480,
3.9805


■ 28.3295, 26.9178,
27.6800


■ 15.6807, 8.4405,
2.4376


■ 31.9066, 32.2669,
34.4372


■ 15.2881, 7.9383,
1.4342


■ 35.9941, 38.4008,
42.0923

 15.2048, 7.8267,
1.2366

 40.6110, 45.3493,
50.6765

 45.7753, 53.1407,
60.2196

 51.5042, 61.8021,
70.7500

 57.8140, 71.3591,
82.2949

Harmonies

Analogous

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



20.5613, 15.2503, 20.5053



20.4524, 15.2503, 12.4553



18.6188, 15.2503, 7.5462

Triad

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



20.4524, 15.2503, 12.4553



10.8343, 15.2503, 7.9530



13.2642, 15.2503, 37.2439

Complementary

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



20.4524, 15.2503, 12.4553



22.8521, 30.5396, 35.7026

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.



11.0300, 15.2503, 30.9880



20.4524, 15.2503, 12.4553



9.7572, 15.2503, 13.2336

Square

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



20.4524, 15.2503, 12.4553



12.9625, 15.2503, 5.5977



9.8237, 15.2503, 21.5870



16.1436, 15.2503, 36.8214

Rectangle

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



20.4524, 15.2503, 12.4553



16.7876, 15.2503, 5.9017



9.8237, 15.2503, 21.5870



12.4212, 15.2503, 35.7828

Sweetspot

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



20.4528, 15.2511, 12.4556



52.5495, 50.9156, 53.0101



23.2687, 16.1724, 36.5454



11.5179, 11.0106, 11.3669



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.



20.4528, 15.2511, 12.4556



33.2677, 22.4190, 15.5477



22.9743, 20.8388, 11.6166



7.1023, 7.0974, 7.5250



11.8257, 6.0863, 1.0069



0.2568, 0.1312, 0.0650

Inverse Universe

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



20.4528, 15.2511, 12.4556



33.2677, 22.4190, 15.5477



18.9032, 21.5312, 37.8098



7.1023, 7.0974, 7.5250



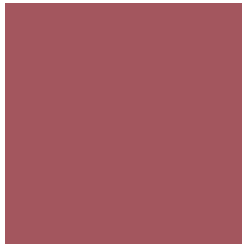
11.8257, 6.0863, 1.0069



0.2568, 0.1312, 0.0650

Previews

White Background



This preview shows how the XYZ color 20.4524, 15.2503, 12.4553 looks on a white background.

Color Contrast Check

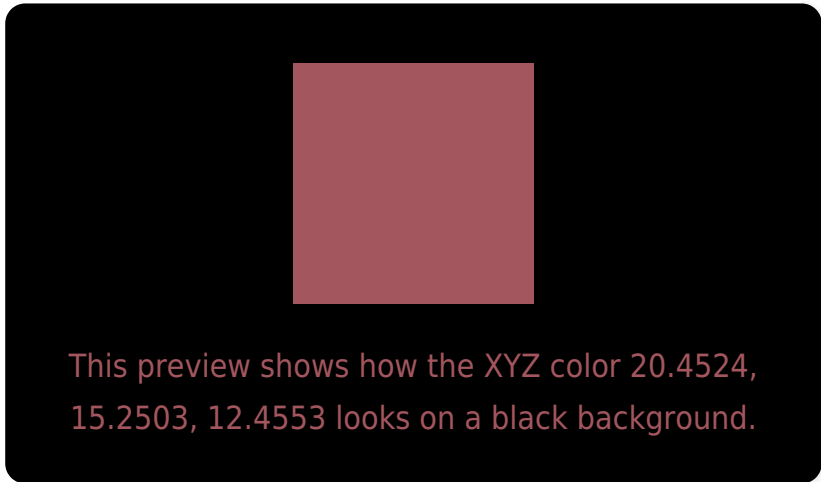
Large Text (above 18pt) WCAG AA ✓ Pass

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

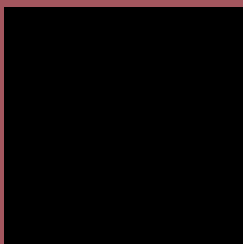
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.4524, 15.2503, 12.4553

Background



This preview shows how black text looks on a background with the XYZ color 20.4524, 15.2503, 12.4553.



This preview shows how white text looks on a background with the XYZ color 20.4524, 15.2503,

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

20.4524, 15.2503, 12.4553

Protanopia

14.7522, 15.4226, 15.8350

Deuteranopia

15.5441, 15.2941, 12.0303



Tritanopia

20.3638, 15.2148, 11.9887

Trichromacy



Original Color

20.4524, 15.2503, 12.4553

Protanomaly

16.4120, 15.0920, 14.6184

Deuteranomaly

16.9469, 14.9970, 12.1267

Tritanomaly

20.4078, 15.2324, 12.2205

Monochromacy



Original Color

20.4524, 15.2503, 12.4553

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.2056, 14.9740, 15.1328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4524, 15.2503, 12.4553 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, 86, 94)` looks like.

```
.text, #text, p{  
    color:rgb(163, 86, 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, 86, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 86, 94) }
```

Border

The CSS property to change the border of an element to XYZ 20.4524, 15.2503, 12.4553 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, 86, 94) }
```


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

```
.border{ border-color:rgb(163, 86, 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, 86, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 86, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 86, 94);  
box-shadow:4px 4px 4px 4px rgb(163, 86,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4524, 15.2503, 12.4553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 86, 94) }
```

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

```
.background{ background-color: rgb(163, 86,  
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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