

Converting Colors

XYZ(21.2504, 16.2117, 23.4053)

Have a look what the booklet for
XYZ(21.2504, 16.2117, 23.4053)
contains.

XYZ(21.2503, 16.1630, 23.4725)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.2503, 16.1630,
23.4725)**

Conversions

Conversions Part 1

Format	Color
Hex	9A5C83
RGB	154, 92, 131
RGB Percent	60%, 36%, 51%
CMY	0.3961, 0.6392, 0.4863
CMYK	0.00, 0.40, 0.15, 0.40
HSL	322°, 25%, 48%
HSV	322°, 40%, 60%
XYZ	21.2503, 16.1630, 23.4725
YIQ	114.9840, 24.4330, 25.2730

Conversions

Conversions Part 2

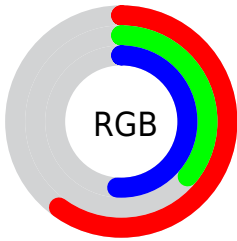
Format	Color
R_{YB}	154, 92, 131
Decimal	10116227
CIE _{Lab}	47.19, 31.11, -10.98
CIE _{LCh}	47, 32.987, 340.563
Yxy	16.1630, 0.3490, 0.2655
Android (android.graphics.Color)	4288306307 (0xFF9A5C83)
YUV	114.9840, 7.8959, 34.2170
Hunter-Lab	40.2032, 23.9944, -6.4740

Details

The XYZ color **21.2503, 16.1630, 23.4725** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.0644, 26.6248, 20.3551**, and the grayscale version is **16.2629, 17.1099, 18.6326**.

A 20% lighter version of the original color is **45.0525, 36.8073, 50.0774**, and **7.7905, 5.1773, 8.5713** is the 20% darker color. If you saturate the color by 10%, you get **19.6728, 13.6106, 21.0887**, and if you desaturate by 10%, it is **23.1213, 19.2678, 26.0599**.

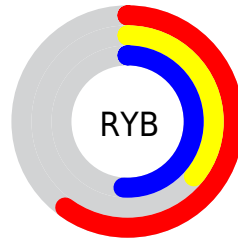
Distribution



Red (60%)

Green (36%)

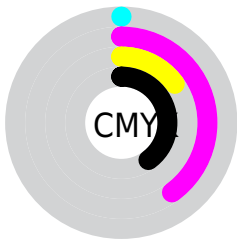
Blue (51%)



Red (60%)

Yellow (36%)

Blue (51%)

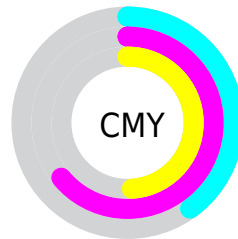


Cyan (0%)

Magenta (40%)

Yellow (15%)

Black (40%)



Cyan (40%)

Magenta (64%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2503, 16.1630, 23.4725 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 21.2503, 16.1630, 23.4725 by changing the saturation by 10% instead.

■ 21.2503, 16.1630,
23.4725

■ 21.2503, 16.1630,
23.4725

251.3123,
230.3016, 283.3428

■ 13.4206, 9.6396,
14.7342

■ 44.9919, 36.8809,
50.1010

■ 7.7978, 5.1606,
8.4885

■ 61.6345, 51.8443,
68.8283

■ 4.0165, 2.3418,
4.3169

■ 81.9454, 70.3896,
91.7224

■ 1.7115, 0.7957,
1.8007

■ 106.2900, 92.9015,
119.2017

■ 0.4635, 0.0000,
0.4284

135.0336,
119.7643, 151.6849

■ 0.0000, 0.0000,
0.0000

168.5416,

151.3623, 189.5904

207.1794,
188.0799, 233.3369

■ 21.2503, 16.1630,
23.4725

■ 21.2503, 16.1630,
23.4725

■ 19.6728, 13.6106,
21.0887

■ 23.1213, 19.2678,
26.0599

■ 18.3705, 11.5751,
18.9001

■ 25.2998, 22.9533,
28.8566

■ 17.3252, 10.0205,
16.8991


■ 27.8007, 27.2482,
31.8694


■ 16.5157, 8.9050,
15.0770


■ 30.6374, 32.1790,
35.1043


■ 15.9173, 8.1798,
13.4236


■ 33.8226, 37.7705,
38.5671

 15.4781, 7.7307,
11.9535

 37.3681, 44.0460,
42.2632

 41.2855, 51.0280,
46.1980

 45.5856, 58.7377,
50.3765

 50.2788, 67.1954,
54.8037

Harmonies

Analogous

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



19.2856, 16.1630, 32.7511



21.2503, 16.1630, 23.4725



21.5290, 16.1630, 14.8279

Triad

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



21.2503, 16.1630, 23.4725



14.3617, 16.1630, 6.0972



11.5001, 16.1630, 30.1755

Complementary

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



21.2503, 16.1630, 23.4725



19.0644, 26.6248, 20.3551

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.



10.5025, 16.1630, 20.6949



21.2503, 16.1630, 23.4725



12.0110, 16.1630, 8.0336

Square

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



21.2503, 16.1630, 23.4725



17.2958, 16.1630, 6.4184



10.6770, 16.1630, 12.7970



13.5788, 16.1630, 37.3879

Rectangle

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



21.2503, 16.1630, 23.4725



20.6875, 16.1630, 10.6573



10.6770, 16.1630, 12.7970



11.0399, 16.1630, 27.0432

Sweetspot

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



21.2508, 16.1638, 23.4728



49.5532, 47.8606, 56.7758



16.6958, 13.6150, 32.3201



11.0901, 10.6159, 12.7012



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.2508, 16.1638, 23.4728



36.0793, 25.2708, 38.8495



19.4674, 15.4504, 14.0814



6.3639, 6.2847, 7.2967



12.6279, 6.3054, 9.8317



0.2063, 0.1013, 0.2390

Inverse Universe

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



21.2508, 16.1638, 23.4728



36.0793, 25.2708, 38.8495



21.1374, 27.4540, 31.2710



6.3639, 6.2847, 7.2967



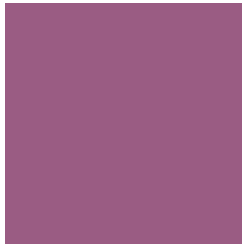
12.6279, 6.3054, 9.8317



0.2063, 0.1013, 0.2390

Previews

White Background



This preview shows how the XYZ color 21.2503, 16.1630, 23.4725 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 21.2503, 16.1630, 23.4725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

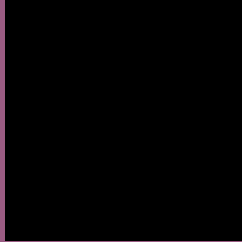
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2503, 16.1630, 23.4725

Background



This preview shows how black text looks on a background with the XYZ color 21.2503, 16.1630, 23.4725.



This preview shows how white text looks on a background with the XYZ color 21.2503, 16.1630,

23.4725.

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

21.2503, 16.1630, 23.4725

Protanopia

16.4274, 16.3256, 28.6709

Deuteranopia

16.5674, 16.2088, 22.6775



Tritanopia

19.5359, 16.1282, 15.1801

Trichromacy



Original Color

21.2503, 16.1630, 23.4725

Protanomaly

17.6366, 15.9023, 26.5660

Deuteranomaly

18.0186, 16.0313, 22.9135

Tritanomaly

20.0784, 16.0747, 17.9641

Monochromacy



Original Color

21.2503, 16.1630, 23.4725

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.7621, 16.5630, 20.3500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2503, 16.1630, 23.4725 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(154, 92, 131)` looks like.

```
.text, #text, p{  
    color:rgb(154, 92, 131)  
}
```

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(154, 92, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 92, 131) }
```

Border

The CSS property to change the border of an element to XYZ 21.2503, 16.1630, 23.4725 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(154, 92, 131) }
```


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

```
.border{ border-color:rgb(154, 92, 131) }
```

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

Here you see how a box with a 4 pixel rgb(154, 92, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 92, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 92, 131);  
box-shadow:4px 4px 4px 4px rgb(154, 92,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2503, 16.1630, 23.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 92, 131) }
```

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

```
.background{ background-color: rgb(154, 92,  
131) }
```

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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