

Converting Colors

XYZ(16.9757, 10.1472, 4.7562)

Have a look what the booklet for
XYZ(16.9757, 10.1472, 4.7562)
contains.

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Color

**XYZ(17.0006, 10.1320,
4.8010)**

Conversions

Conversions Part 1

Format	Color
Hex	A42E38
RGB	164, 46, 56
RGB Percent	64%, 18%, 22%
CMY	0.3569, 0.8196, 0.7804
CMYK	0.00, 0.72, 0.66, 0.36
HSL	355°, 56%, 41%
HSV	355°, 72%, 64%
XYZ	17.0006, 10.1320, 4.8010
YIQ	82.4220, 67.1180, 28.1260

Conversions

Conversions Part 2

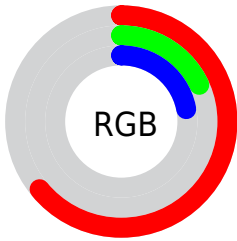
Format	Color
R_{YB}	164, 46, 56
Decimal	10759736
CIE _{Lab}	38.08, 48.62, 22.58
CIE _{LCh}	38, 53.608, 24.913
Yxy	10.1320, 0.5324, 0.3173
Android (android.graphics.Color)	4288949816 (0xFFA42E38)
YUV	82.4220, -13.0260, 71.5439
Hunter-Lab	31.8308, 39.6316, 13.3389

Details

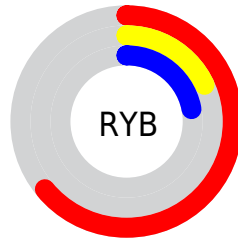
The XYZ color **17.0006, 10.1320, 4.8010** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **20.2358, 29.4651, 35.1957**, and the grayscale version is **8.1215, 8.5444, 9.3049**.

A 20% lighter version of the original color is **37.7458, 25.9409, 15.8496**, and **5.9050, 3.0350, 0.6900** is the 20% darker color. If you saturate the color by 10%, you get **16.1642, 8.9613, 2.9746**, and if you desaturate by 10%, it is **18.1923, 11.8373, 7.2891**.

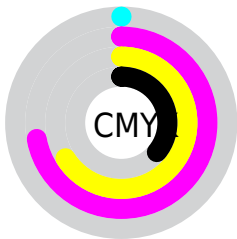
Distribution



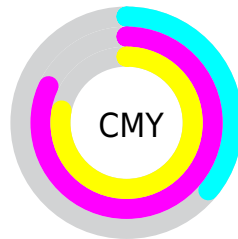
- Red (64%)
- Green (18%)
- Blue (22%)



- Red (64%)
- Yellow (18%)
- Blue (22%)



- Cyan (0%)
- Magenta (72%)
- Yellow (66%)
- Black (36%)



- Cyan (36%)
- Magenta (82%)
- Yellow (78%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.0006, 10.1320, 4.8010 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 17.0006, 10.1320, 4.8010 by changing the saturation by 10% instead.


 17.0006, 10.1320,
4.8010

 17.0006, 10.1320,
4.8010


228.3320,
191.6116, 156.7510


 10.3302, 5.4866,
2.0743


 37.8704, 26.0435,
15.8186


 5.6824, 2.5355,
0.6004

 52.8005, 38.0783,
24.9466


 2.6917, 0.8943,
0.0000

 71.2146, 53.3451,
37.0454

 0.9929, 0.0000,
0.0000

 93.4780, 72.2282,
52.5336

 0.0000, 0.0000,
0.0000

 119.9561, 95.1120,
71.8297

 151.0143,

122.3809, 95.3523

187.0178,
154.4193, 123.5199

■ 17.0006, 10.1320,
4.8010

■ 17.0006, 10.1320,
4.8010

■ 16.1642, 8.9613,
2.9746

■ 18.1923, 11.8373,
7.2891

■ 15.6425, 8.2601,
1.7459

■ 19.7725, 14.1290,
10.4939

■ 15.3882, 7.9239,
1.1299

■ 21.7713, 17.0546,
14.4649

■ 24.2157, 20.6564,
19.2474

■ 27.1304, 24.9730,
24.8829

■ 30.5383, 30.0401,
31.4102

■ 34.4609, 35.8909,
38.8656

■ 38.9182, 42.5569,
47.2836

■ 43.9292, 50.0675,
56.6966

Harmonies

Analogous

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



17.8802, 10.1320, 12.8069



17.0006, 10.1320, 4.8010



13.9767, 10.1320, 1.6380

Triad

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



17.0006, 10.1320, 4.8010



5.1522, 10.1320, 3.3106



9.0529, 10.1320, 42.9129

Complementary

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



17.0006, 10.1320, 4.8010



20.2358, 29.4651, 35.1957

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.



6.2935, 10.1320, 35.0775



17.0006, 10.1320, 4.8010



4.4123, 10.1320, 9.4292

Square

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



17.0006, 10.1320, 4.8010



7.0937, 10.1320, 1.2090



4.7736, 10.1320, 21.1457



12.7089, 10.1320, 38.8541

Rectangle

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



17.0006, 10.1320, 4.8010



11.4652, 10.1320, 0.9712



4.7736, 10.1320, 21.1457



8.0022, 10.1320, 41.4920

Sweetspot

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



17.0008, 10.1326, 4.8012



48.9797, 44.9344, 44.6531



20.6645, 11.3297, 36.2194



10.3980, 9.3640, 9.1649



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.



17.0008, 10.1326, 4.8012



28.7390, 15.4482, 4.0095



19.7353, 15.9544, 4.6249



7.0970, 7.0953, 7.4972



11.8071, 6.0789, 0.9089



0.2549, 0.1305, 0.0552

Inverse Universe

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



17.0008, 10.1326, 4.8012



28.7390, 15.4482, 4.0095



14.1662, 15.9380, 37.4514



7.0970, 7.0953, 7.4972



11.8071, 6.0789, 0.9089



0.2549, 0.1305, 0.0552

Previews

White Background



This preview shows how the XYZ color 17.0006, 10.1320, 4.8010 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 17.0006, 10.1320, 4.8010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

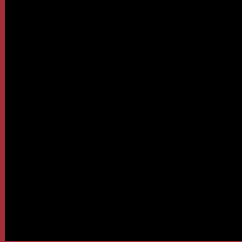
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.0006, 10.1320, 4.8010

Background



This preview shows how black text looks on a background with the XYZ color 17.0006, 10.1320, 4.8010.



This preview shows how white text looks on a background with the XYZ color 17.0006, 10.1320,

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

17.0006, 10.1320, 4.8010

Protanopia

9.8010, 10.4634, 7.9816

Deuteranopia

10.4591, 10.2654, 4.4478



Tritanopia

16.8807, 10.1473, 3.9746

Trichromacy



Original Color

17.0006, 10.1320, 4.8010

Protanomaly

11.4144, 9.5023, 6.5427

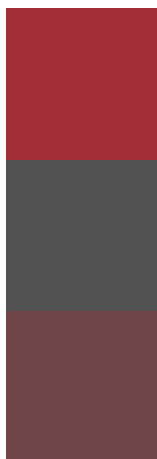
Deuteranomaly

12.0790, 9.5002, 4.4459

Tritanomaly

16.9462, 10.1735, 4.3193

Monochromacy



Original Color

17.0006, 10.1320, 4.8010

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

10.0128, 8.1820, 7.3549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0006, 10.1320, 4.8010 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(164, 46, 56)` looks like.

```
.text, #text, p{  
    color:rgb(164, 46, 56)  
}
```

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(164, 46, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 46, 56) }
```

Border

The CSS property to change the border of an element to XYZ 17.0006, 10.1320, 4.8010 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(164, 46, 56) }
```


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

```
.border{ border-color:rgb(164, 46, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 46, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 46, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 46, 56);  
box-shadow:4px 4px 4px 4px rgb(164, 46,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0006, 10.1320, 4.8010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 46, 56) }
```

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

```
.background{ background-color: rgb(164, 46,  
56) }
```

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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