

Converting Colors

XYZ(17.0456, 12.1246, 3.0833)

Have a look what the booklet for
XYZ(17.0456, 12.1246, 3.0833)
contains.

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Color

**XYZ(17.0689, 12.1074,
3.1064)**

Conversions

Conversions Part 1

Format	Color
Hex	A04724
RGB	160, 71, 36
RGB Percent	63%, 28%, 14%
CMY	0.3726, 0.7215, 0.8588
CMYK	0.00, 0.56, 0.77, 0.37
HSL	17°, 63%, 38%
HSV	17°, 77%, 63%
XYZ	17.0689, 12.1074, 3.1064
YIQ	93.6210, 64.2790, 7.9830

Conversions

Conversions Part 2

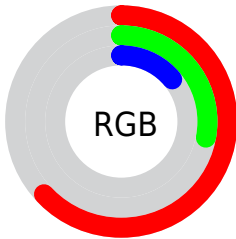
Format	Color
R_{YB}	160, 85, 36
Decimal	10503972
CIE _{Lab}	41.39, 34.74, 37.83
CIE _{LCh}	41, 51.360, 47.439
Yxy	12.1074, 0.5287, 0.3750
Android (android.graphics.Color)	4288694052 (0xFFA04724)
YUV	93.6210, -28.4072, 58.2144
Hunter-Lab	34.7957, 26.6701, 19.0638

Details

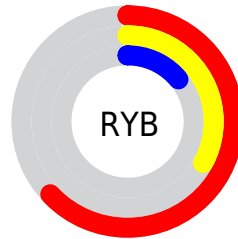
The XYZ color **17.0689, 12.1074, 3.1064** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.4058, 17.5793, 35.8915**, and the grayscale version is **10.6045, 11.1567, 12.1497**.

A 20% lighter version of the original color is **38.0361, 29.7592, 11.9230**, and **5.7477, 3.3611, 0.3458** is the 20% darker color. If you saturate the color by 10%, you get **16.2144, 10.7059, 1.8737**, and if you desaturate by 10%, it is **18.1713, 13.8300, 4.9607**.

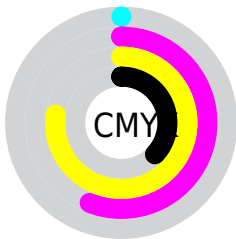
Distribution



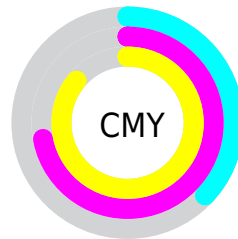
- Red (63%)
- Green (28%)
- Blue (14%)



- Red (63%)
- Yellow (33%)
- Blue (14%)



- Cyan (0%)
- Magenta (56%)
- Yellow (77%)
- Black (37%)





- Cyan (37%)
- Magenta (72%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.0689, 12.1074, 3.1064 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 17.0689, 12.1074, 3.1064 by changing the saturation by 10% instead.


 17.0689, 12.1074,
3.1064


 17.0689, 12.1074,
3.1064


228.7176,
205.1150, 137.7044


 10.3792, 6.8169,
1.1492


 37.9869, 29.6906,
11.8899


 5.7153, 3.3478,
0.0000

 52.9459, 42.7520,
19.5532

 2.7118, 1.3159,
0.0000

 71.3920, 59.1725,
29.9558

 1.0032, 0.1535,
0.0000

 93.6907, 79.3365,
43.5160

 0.0000, 0.0000,
0.0000

 120.2072,
103.6283, 60.6524

 151.3070,

132.4324, 81.7836

187.3553,
166.1332, 107.3281

17.0689, 12.1074,
3.1064

17.0689, 12.1074,
3.1064

16.2144, 10.7059,
1.8737

18.1713, 13.8300,
4.9607

15.5776, 9.5994,
1.1467

19.5408, 15.8913,
7.5064

15.4419, 9.3631,
0.9934

21.1955, 18.3098,
10.8047

23.1516, 21.1019,
14.9097

25.4239, 24.2831,
19.8704

■ 28.0263, 27.8679,
25.7321

■ 30.9717, 31.8701,
32.5365

■ 34.2725, 36.3027,
40.3232

■ 37.9401, 41.1782,
49.1290

Harmonies

Analogous

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



19.7906, 12.1074, 7.9379



17.0689, 12.1074, 3.1064



13.1381, 12.1074, 1.5828

Triad

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



17.0689, 12.1074, 3.1064



5.8332, 12.1074, 9.2033



13.7925, 12.1074, 44.0692

Complementary

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



17.0689, 12.1074, 3.1064



14.4058, 17.5793, 35.8915

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.



10.0181, 12.1074, 45.0881



17.0689, 12.1074, 3.1064



5.9342, 12.1074, 20.3422

Square

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



17.0689, 12.1074, 3.1064



6.9942, 12.1074, 3.6020



7.3084, 12.1074, 34.8222



17.6362, 12.1074, 32.5141

Rectangle

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



17.0689, 12.1074, 3.1064



10.6043, 12.1074, 1.5066



7.3084, 12.1074, 34.8222



12.4610, 12.1074, 45.8151

Sweetspot

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



17.0692, 12.1081, 3.1066



48.0054, 46.6414, 40.1940



18.9545, 10.2659, 21.0385



10.1872, 9.7573, 8.0527



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.0692, 12.1081, 3.1066



28.5675, 17.9254, 2.3928



22.9409, 23.8515, 5.0638



6.7780, 6.9359, 6.9672



12.0624, 7.3605, 0.7850



0.2488, 0.1979, 0.0251

Inverse Universe

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



14.4058, 17.5793, 35.8915



23.3015, 27.8857, 64.5409



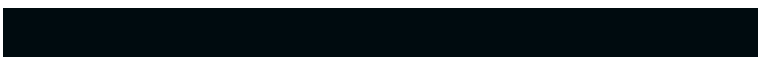
8.9593, 6.6862, 34.0759



6.6635, 7.1927, 8.4438



9.7423, 11.5762, 27.6282



0.2078, 0.2743, 0.5052

Previews

White Background



This preview shows how the XYZ color 17.0689, 12.1074, 3.1064 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 17.0689, 12.1074, 3.1064 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 17.0689, 12.1074, 3.1064

Background



This preview shows how black text looks on a background with the XYZ color 17.0689, 12.1074, 3.1064.



This preview shows how white text looks on a background with the XYZ color 17.0689, 12.1074,

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

17.0689, 12.1074, 3.1064

Protanopia

11.1290, 12.1684, 4.1451

Deuteranopia

12.3171, 12.1334, 2.9211



Tritanopia

17.8424, 12.0463, 7.3460

Trichromacy



Original Color

17.0689, 12.1074, 3.1064

Protanomaly

12.7920, 11.7287, 3.6875

Deuteranomaly

13.6626, 11.8355, 2.9309

Tritanomaly

17.5288, 12.0168, 5.3986

Monochromacy



Original Color

17.0689, 12.1074, 3.1064

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.0016, 10.9882, 7.7917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0689, 12.1074, 3.1064 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(160, 71, 36)` looks like.

```
.text, #text, p{  
    color:rgb(160, 71, 36)  
}
```

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(160, 71, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 71, 36) }
```

Border

The CSS property to change the border of an element to XYZ 17.0689, 12.1074, 3.1064 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(160, 71, 36) }
```


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

```
.border{ border-color:rgb(160, 71, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 71, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 71, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 71, 36);  
box-shadow:4px 4px 4px 4px rgb(160, 71,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0689, 12.1074, 3.1064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 71, 36) }
```

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

```
.background{ background-color: rgb(160, 71,  
36) }
```

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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