

Converting Colors

XYZ(24.2024, 30.7936, 42.8059)

Have a look what the booklet for
XYZ(24.2024, 30.7936, 42.8059)
contains.

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Color

**XYZ(24.2005, 30.8176,
42.7031)**

Conversions

Conversions Part 1

Format	Color
Hex	58A2AA
RGB	88, 162, 170
RGB Percent	35%, 64%, 67%
CMY	0.6549, 0.3647, 0.3333
CMYK	0.48, 0.05, 0.00, 0.33
HSL	186°, 33%, 51%
HSV	186°, 48%, 67%
XYZ	24.2005, 30.8176, 42.7031
YIQ	140.7860, -46.6720, -13.2000

Conversions

Conversions Part 2

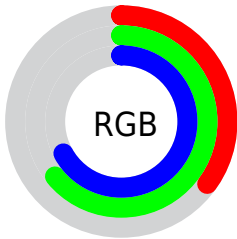
Format	Color
RYB	88, 127, 170
Decimal	5808810
CIELab	62.35, -20.82, -11.30
CIELCh	62, 23.693, 208.496
Yxy	30.8176, 0.2476, 0.3154
Android (android.graphics.Color)	4283998890 (0xFF58A2AA)
YUV	140.7860, 14.4025, -46.2933
Hunter-Lab	55.5136, -19.3338, -6.7485

Details

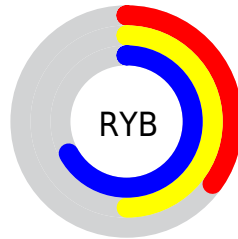
The XYZ color **24.2005, 30.8176, 42.7031** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.5225, 17.6169, 11.4466**, and the grayscale version is **25.1929, 26.5049, 28.8639**.

A 20% lighter version of the original color is **49.7312, 60.9016, 80.3682**, and **9.3248, 12.7067, 19.1007** is the 20% darker color. If you saturate the color by 10%, you get **22.4852, 29.5032, 42.5404**, and if you desaturate by 10%, it is **26.2968, 32.3355, 42.8861**.

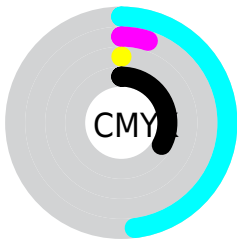
Distribution



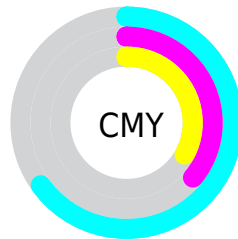
- Red (35%)
- Green (64%)
- Blue (67%)



- Red (35%)
- Yellow (50%)
- Blue (67%)



- Cyan (48%)
- Magenta (5%)
- Yellow (0%)
- Black (33%)



- Cyan (65%)
- Magenta (36%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2005, 30.8176, 42.7031 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 24.2005, 30.8176, 42.7031 by changing the saturation by 10% instead.

■ 24.2005, 30.8176,
42.7031

■ 24.2005, 30.8176,
42.7031

266.2543,
305.6971, 373.2746

■ 15.6080, 20.4600,
29.3226

■ 49.8095, 60.9528,
80.5442

■ 9.3362, 12.7299,
19.0773

■ 67.5566, 81.4992,
105.8418

■ 5.0200, 7.2428,
11.5488

■ 89.0860, 106.2106,
135.9489

■ 2.2939, 3.6144,
6.3184

■ 114.7631,
135.4714, 171.2839

■ 0.7915, 1.4603,
2.9678

144.9530,
169.6661, 212.2654

■ 0.0000, 0.2605,
1.0782

180.0213,

■ 0.0000, 0.0000,

209.1790, 259.3121

0.0000

220.3333,
254.3946, 312.8423

■ 24.2005, 30.8176,
42.7031

■ 24.2005, 30.8176,
42.7031

■ 22.4852, 29.5032,
42.5404

■ 26.2968, 32.3355,
42.8861

■ 21.1215, 28.3751,
42.3945

■ 28.7952, 34.0657,
43.0884

■ 20.0805, 27.4190,
42.2648

■ 31.7185, 36.0208,
43.3117

■ 19.3273, 26.6169,
42.1497

■ 35.0872, 38.2112,
43.5570

■ 18.8014, 25.9377,
42.0463

■ 38.9202, 40.6468,
43.8251

■ 18.7156, 25.8220,
42.0285

■ 43.2355, 43.3369,
44.1169

■ 48.0501, 46.2902,
44.4331

■ 53.3800, 49.5150,
44.7747

■ 59.2408, 53.0194,
45.1422

Harmonies

Analogous

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



23.5507, 30.8176, 33.0940



24.2005, 30.8176, 42.7031



26.1864, 30.8176, 50.9714

Triad

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



24.2005, 30.8176, 42.7031



34.8680, 30.8176, 43.6524



29.4533, 30.8176, 18.8194

Complementary

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



24.2005, 30.8176, 42.7031



22.5225, 17.6169, 11.4466

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.



32.6322, 30.8176, 20.6408



24.2005, 30.8176, 42.7031



35.8961, 30.8176, 34.0205

Square

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



24.2005, 30.8176, 42.7031



32.3320, 30.8176, 51.5861



35.0500, 30.8176, 25.8169



26.4473, 30.8176, 20.3075

Rectangle

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



24.2005, 30.8176, 42.7031



28.0789, 30.8176, 53.9996



35.0500, 30.8176, 25.8169



30.5379, 30.8176, 19.0574

Sweetspot

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



24.2014, 30.8188, 42.7038



59.8827, 66.8845, 78.7557



20.4579, 31.6480, 15.8180



13.0754, 14.7333, 17.5423



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.2014, 30.8188, 42.7038



40.5706, 53.3499, 77.1611



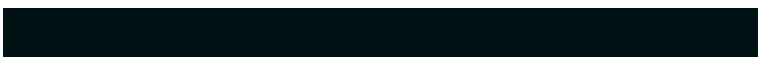
18.2610, 18.9379, 40.7237



7.6841, 8.4051, 9.6357



13.7898, 19.0398, 30.9237



0.3529, 0.4980, 0.7582

Inverse Universe

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



26.5896, 18.1349, 36.2826



45.5538, 27.9840, 63.5161



27.1204, 26.8128, 12.9793



7.8099, 7.6538, 9.3161



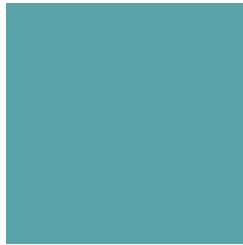
16.4611, 7.9931, 23.0373



0.4093, 0.1980, 0.6067

Previews

White Background



This preview shows how the XYZ color 24.2005, 30.8176, 42.7031 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.2005, 30.8176, 42.7031 looks on a black 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 ✓ Pass

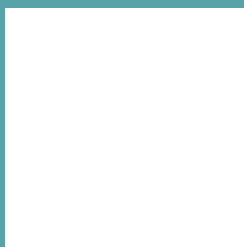
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2005, 30.8176, 42.7031

Background



This preview shows how black text looks on a background with the XYZ color 24.2005, 30.8176, 42.7031.



This preview shows how white text looks on a background with the XYZ color 24.2005, 30.8176,

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

24.2005, 30.8176, 42.7031

Protanopia

29.6635, 30.4931, 38.5047

Deuteranopia

30.9586, 30.3472, 43.7611



Tritanopia

24.5047, 30.6696, 44.6727

Trichromacy



Original Color

24.2005, 30.8176, 42.7031

Protanomaly

27.0995, 30.3398, 40.0252

Deuteranomaly

27.7279, 30.1022, 43.3786

Tritanomaly

24.4075, 30.6307, 44.1611

Monochromacy



Original Color

24.2005, 30.8176, 42.7031

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.4410, 27.8995, 33.8027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2005, 30.8176, 42.7031 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(88, 162, 170)` looks like.

```
.text, #text, p{  
    color:rgb(88, 162, 170)  
}
```

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(88, 162, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 162, 170) }
```

Border

The CSS property to change the border of an element to XYZ 24.2005, 30.8176, 42.7031 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(88, 162, 170) }
```


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

```
.border{ border-color:rgb(88, 162, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 162, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 162, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 162, 170);  
box-shadow:4px 4px 4px 4px rgb(88, 162,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2005, 30.8176, 42.7031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 162, 170) }
```

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

```
.background{ background-color: rgb(88, 162,  
170) }
```

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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