

Converting Colors

XYZ(12.9487, 15.2645, 24.6922)

Have a look what the booklet for
XYZ(12.9487, 15.2645, 24.6922)
contains.

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Color

**XYZ(12.9596, 15.2848,
24.8215)**

Conversions

Conversions Part 1

Format	Color
Hex	467386
RGB	70, 115, 134
RGB Percent	27%, 45%, 53%
CMY	0.7255, 0.5490, 0.4745
CMYK	0.48, 0.14, 0.00, 0.47
HSL	198°, 31%, 40%
HSV	198°, 48%, 53%
XYZ	12.9596, 15.2848, 24.8215
YIQ	103.7110, -32.9190, -3.6310

Conversions

Conversions Part 2

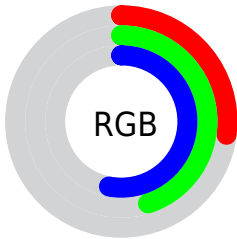
Format	Color
RYB	70, 96, 134
Decimal	4617094
CIELab	46.02, -9.99, -15.24
CIELCh	46, 18.223, 236.765
Yxy	15.2848, 0.2442, 0.2880
Android (android.graphics.Color)	4282807174 (0xFF467386)
YUV	103.7110, 14.9325, -29.5645
Hunter-Lab	39.0958, -9.2478, -10.2756

Details

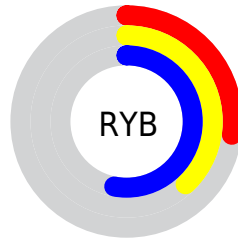
The XYZ color **12.9596, 15.2848, 24.8215** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.5097, 12.6556, 7.4728**, and the grayscale version is **13.0491, 13.7286, 14.9505**.

A 20% lighter version of the original color is **30.8144, 35.3629, 52.2153**, and **3.8044, 4.7560, 9.1050** is the 20% darker color. If you saturate the color by 10%, you get **11.6550, 13.9536, 24.6336**, and if you desaturate by 10%, it is **14.5005, 16.7675, 25.0268**.

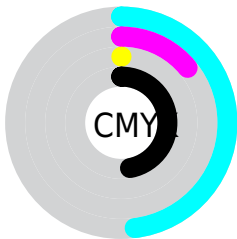
Distribution



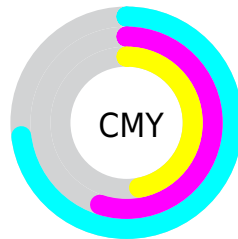
- Red (27%)
- Green (45%)
- Blue (53%)



- Red (27%)
- Yellow (38%)
- Blue (53%)



- Cyan (48%)
- Magenta (14%)
- Yellow (0%)
- Black (47%)



- Cyan (73%)
- Magenta (55%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9596, 15.2848, 24.8215 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 12.9596, 15.2848, 24.8215 by changing the saturation by 10% instead.

■ 12.9596, 15.2848,
24.8215

■ 12.9596, 15.2848,
24.8215

204.3014,
225.0836, 290.3670

■ 7.4775, 9.0195,
15.7263

■ 30.8331, 35.3520,
52.3280

■ 3.8115, 4.7539,
9.1784

■ 43.9553, 49.9228,
71.5764

■ 1.5960, 2.1036,
4.7594

■ 60.3549, 68.0308,
95.0463

■ 0.3898, 0.6667,
2.0505

■ 80.3972, 90.0604,
123.1562

■ 0.0000, 0.0000,
0.5861

■ 104.4477,
116.3962, 156.3247

■ 0.0000, 0.0000,
0.0000

132.8716,

147.4223, 194.9703

166.0344,
183.5234, 239.5116

■ 12.9596, 15.2848,
24.8215

■ 12.9596, 15.2848,
24.8215

■ 11.6550, 13.9536,
24.6336

■ 14.5005, 16.7675,
25.0268

■ 10.5704, 12.7642,
24.4612

■ 16.2897, 18.4073,
25.2490

■ 9.6898, 11.7083,
24.3038

■ 18.3399, 20.2115,
25.4892

■ 8.9941, 10.7757,
24.1604

■ 20.6628, 22.1864,
25.7479

■ 8.4430, 9.9452,
24.0292

■ 23.2691, 24.3377,
26.0258

■ 8.3255, 9.7660,
24.0008

■ 26.1690, 26.6713,
26.3234

■ 29.3721, 29.1922,
26.6411

■ 32.8877, 31.9057,
26.9796

■ 36.7245, 34.8165,
27.3392

Harmonies

Analogous

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



12.0334, 15.2848, 20.7756



12.9596, 15.2848, 24.8215



14.3607, 15.2848, 26.6643

Triad

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



12.9596, 15.2848, 24.8215



17.7002, 15.2848, 17.1273



13.2306, 15.2848, 10.1432

Complementary

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



12.9596, 15.2848, 24.8215



14.5097, 12.6556, 7.4728

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.



14.6960, 15.2848, 9.5113



12.9596, 15.2848, 24.8215



17.3450, 15.2848, 13.0976

Square

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



12.9596, 15.2848, 24.8215



17.1570, 15.2848, 21.7547



16.2175, 15.2848, 10.4923



12.1819, 15.2848, 12.4014

Rectangle

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



12.9596, 15.2848, 24.8215



15.4016, 15.2848, 26.1905



16.2175, 15.2848, 10.4923



13.6876, 15.2848, 9.7530

Sweetspot

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



12.9601, 15.2854, 24.8219



33.6701, 36.7766, 45.0624



12.8183, 19.0594, 12.2652



7.4195, 8.1431, 10.1334



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.9601, 15.2854, 24.8219



20.4312, 24.4751, 43.3857



9.9893, 9.3438, 23.8316



4.6880, 5.0516, 5.9287



7.8117, 9.1711, 22.4952



0.0334, 0.0445, 0.0801

Inverse Universe

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



15.1166, 10.6869, 17.4863



24.8472, 15.9183, 28.1719



17.6699, 18.9760, 8.5262



4.8005, 4.7399, 5.5620



11.1211, 5.5128, 10.4759



0.0417, 0.0204, 0.0532

Previews

White Background



This preview shows how the XYZ color 12.9596, 15.2848, 24.8215 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 12.9596, 15.2848, 24.8215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

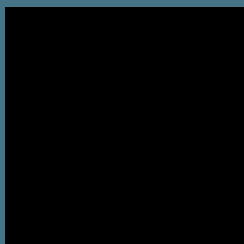
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9596, 15.2848, 24.8215

Background



This preview shows how black text looks on a background with the XYZ color 12.9596, 15.2848, 24.8215.



This preview shows how white text looks on a background with the XYZ color 12.9596, 15.2848,

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

12.9596, 15.2848, 24.8215

Protanopia

15.0339, 15.2532, 22.9207

Deuteranopia

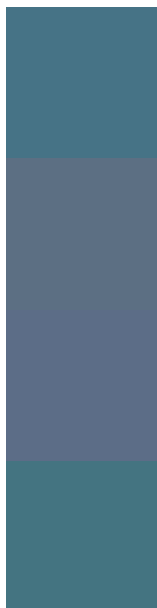
15.4237, 15.0889, 25.3921



Tritanopia

12.3260, 15.1904, 22.0211

Trichromacy



Original Color

12.9596, 15.2848, 24.8215

Protanomaly

14.1948, 15.2829, 23.6745

Deuteranomaly

14.2554, 14.9619, 25.0583

Tritanomaly

12.5917, 15.3047, 23.0593

Monochromacy



Original Color

12.9596, 15.2848, 24.8215

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8707, 14.2382, 18.2896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9596, 15.2848, 24.8215 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(70, 115, 134)` looks like.

```
.text, #text, p{  
    color:rgb(70, 115, 134)  
}
```

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(70, 115, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 115, 134) }
```

Border

The CSS property to change the border of an element to XYZ 12.9596, 15.2848, 24.8215 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(70, 115, 134) }
```


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

```
.border{ border-color:rgb(70, 115, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 115, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 115, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 115, 134);  
box-shadow:4px 4px 4px 4px rgb(70, 115,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9596, 15.2848, 24.8215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 115, 134) }
```

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

```
.background{ background-color: rgb(70, 115,  
134) }
```

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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