

Converting Colors

XYZ(10.6652, 13.1746, 16.4493)

Have a look what the booklet for
XYZ(10.6652, 13.1746, 16.4493)
contains.

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Color

**XYZ(10.6487, 13.1313,
16.4414)**

Conversions

Conversions Part 1

Format	Color
Hex	466C6D
RGB	70, 108, 109
RGB Percent	27%, 42%, 43%
CMY	0.7255, 0.5765, 0.5725
CMYK	0.36, 0.01, 0.00, 0.57
HSL	182°, 22%, 35%
HSV	182°, 36%, 43%
XYZ	10.6487, 13.1313, 16.4414
YIQ	96.7520, -22.9690, -7.7450

Conversions

Conversions Part 2

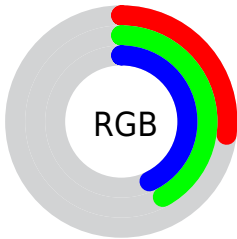
Format	Color
R_{YB}	70, 89, 109
Decimal	4615277
CIE _{Lab}	42.96, -13.10, -4.85
CIE _{LCh}	43, 13.967, 200.300
Yxy	13.1313, 0.2648, 0.3265
Android (android.graphics.Color)	4282805357 (0xFF466C6D)
YUV	96.7520, 6.0383, -23.4615
Hunter-Lab	36.2371, -10.9607, -1.5349

Details

The XYZ color **10.6487, 13.1313, 16.4414** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.6657, 8.2002, 6.8681**, and the grayscale version is **11.2915, 11.8795, 12.9368**.

A 20% lighter version of the original color is **26.6617, 31.6727, 37.9659**, and **2.8162, 3.7501, 5.1328** is the 20% darker color. If you saturate the color by 10%, you get **9.9034, 12.7038, 16.3984**, and if you desaturate by 10%, it is **11.5376, 13.6337, 16.4917**.

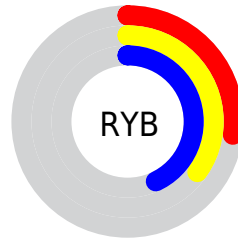
Distribution



Red (27%)

Green (42%)

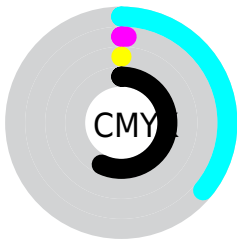
Blue (43%)



Red (27%)

Yellow (35%)

Blue (43%)

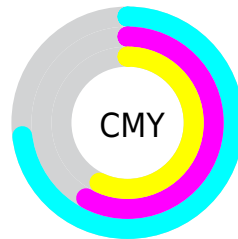


Cyan (36%)

Magenta (1%)

Yellow (0%)

Black (57%)



Cyan (73%)

Magenta (58%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6487, 13.1313, 16.4414 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 10.6487, 13.1313, 16.4414 by changing the saturation by 10% instead.

■ 10.6487, 13.1313,
16.4414

■ 10.6487, 13.1313,
16.4414

189.1998,
211.7574, 243.8664

■ 5.8967, 7.5190,
9.6793

■ 26.6474, 31.5395,
38.1402

■ 2.8224, 3.7888,
5.0840

■ 38.6249, 45.1041,
53.9140

■ 1.0606, 1.5561,
2.2371

■ 53.7415, 62.0884,
73.5288

■ 0.0000, 0.3277,
0.6956

■ 72.3627, 82.8767,
97.4031

■ 0.0000, 0.0000,
0.0000

■ 94.8537, 107.8533,
125.9555

121.5800,

137.4027, 159.6045

152.9069,
171.9093, 198.7686

■ 10.6487, 13.1313,
16.4414

■ 10.6487, 13.1313,
16.4414

■ 9.9034, 12.7038,
16.3984

■ 11.5376, 13.6337,
16.4917

■ 9.2929, 12.3455,
16.3614

■ 12.5762, 14.2130,
16.5488

■ 8.8090, 12.0527,
16.3304

■ 13.7714, 14.8733,
16.6133

■ 8.4424, 11.8204,
16.3049

■ 15.1296, 15.6177,
16.6854

■ 8.1823, 11.6432,
16.2844

■ 16.6567, 16.4492,
16.7654

■ 8.0057, 11.5092,
16.2678

■ 18.3582, 17.3709,
16.8536

■ 7.9359, 11.4551,
16.2611

■ 20.2397, 18.3855,
16.9503

■ 22.3062, 19.4956,
17.0556

■ 24.5626, 20.7037,
17.1699

Harmonies

Analogous

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



10.5604, 13.1313, 13.3276



10.6487, 13.1313, 16.4414



11.2121, 13.1313, 19.3283

Triad

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



10.6487, 13.1313, 16.4414



14.1321, 13.1313, 18.4023



12.8308, 13.1313, 9.2399

Complementary

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



10.6487, 13.1313, 16.4414



9.6657, 8.2002, 6.8681

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.



13.8420, 13.1313, 10.2258



10.6487, 13.1313, 16.4414



14.6211, 13.1313, 15.3139

Square

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



10.6487, 13.1313, 16.4414



13.2085, 13.1313, 20.5679



14.5121, 13.1313, 12.3490



11.7805, 13.1313, 9.4521

Rectangle

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



10.6487, 13.1313, 16.4414



11.8000, 13.1313, 20.5948



14.5121, 13.1313, 12.3490



13.1875, 13.1313, 9.4361

Sweetspot

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



10.6491, 13.1318, 16.4417



23.4411, 25.9607, 29.6827



9.1209, 12.6902, 7.8717



5.4078, 6.0152, 6.9048



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



10.6491, 13.1318, 16.4417



17.9285, 22.8607, 29.3748



8.8464, 9.5265, 15.8408



3.1755, 3.4793, 3.9391



9.2791, 13.3926, 19.0182



47.1792, 68.0370, 96.8721

Inverse Universe

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



11.2040, 8.7147, 15.2794



19.0896, 13.6955, 26.9252



11.0813, 11.0315, 7.3400



3.2144, 3.1626, 3.8592



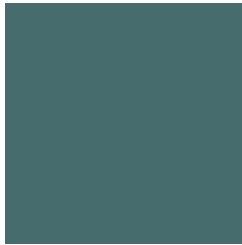
10.4305, 5.0243, 16.4276



53.0967, 25.5806, 83.4348

Previews

White Background



This preview shows how the XYZ color 10.6487, 13.1313, 16.4414 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 10.6487, 13.1313, 16.4414 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

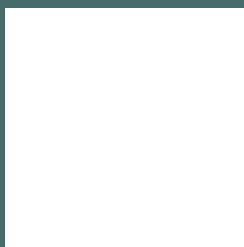
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.6487, 13.1313, 16.4414

Background



This preview shows how black text looks on a background with the XYZ color 10.6487, 13.1313, 16.4414.



This preview shows how white text looks on a background with the XYZ color 10.6487, 13.1313,

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

10.6487, 13.1313, 16.4414

Protanopia

12.6319, 13.1316, 14.9656

Deuteranopia

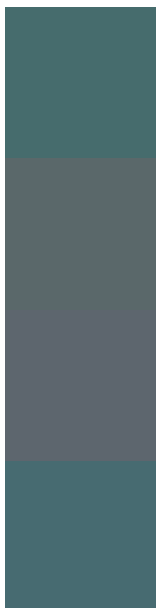
13.1808, 12.9472, 16.8433



Tritanopia

11.0826, 13.1541, 18.4779

Trichromacy



Original Color

10.6487, 13.1313, 16.4414

Protanomaly

11.7683, 13.1149, 15.5468

Deuteranomaly

12.0800, 12.9557, 16.6159

Tritanomaly

10.8369, 13.0472, 17.5700

Monochromacy



Original Color

10.6487, 13.1313, 16.4414

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.9331, 12.2732, 14.1046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6487, 13.1313, 16.4414 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, 108, 109)` looks like.

```
.text, #text, p{  
    color:rgb(70, 108, 109)  
}
```

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, 108, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 108, 109) }
```

Border

The CSS property to change the border of an element to XYZ 10.6487, 13.1313, 16.4414 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, 108, 109) }
```


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

```
.border{ border-color:rgb(70, 108, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 108, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 108, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 108, 109);  
box-shadow:4px 4px 4px 4px rgb(70, 108,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6487, 13.1313, 16.4414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 108, 109) }
```

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

```
.background{ background-color: rgb(70, 108,  
109) }
```

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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