

Converting Colors

XYZ(8.7216, 13.1750, 4.5790)

Have a look what the booklet for
XYZ(8.7216, 13.1750, 4.5790)
contains.

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Color

**XYZ(8.7627, 13.2287,
4.5742)**

Conversions

Conversions Part 1

Format	Color
Hex	44712D
RGB	68, 113, 45
RGB Percent	27%, 44%, 18%
CMY	0.7333, 0.5569, 0.8235
CMYK	0.40, 0.00, 0.60, 0.56
HSL	100°, 43%, 31%
HSV	100°, 60%, 44%
XYZ	8.7627, 13.2287, 4.5742
YIQ	91.7930, -4.9920, -30.6880

Conversions

Conversions Part 2

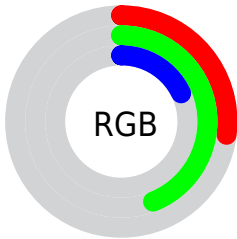
Format	Color
RYB	45, 113, 90
Decimal	4485421
CIELab	43.11, -28.89, 32.38
CIELCh	43, 43.395, 131.740
Yxy	13.2287, 0.3299, 0.4980
Android (android.graphics.Color)	4282675501 (0xFF44712D)
YUV	91.7930, -23.0689, -20.8665
Hunter-Lab	36.3713, -20.6449, 18.0033

Details

The XYZ color **8.7627, 13.2287, 4.5742** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.1362, 5.2432, 16.2068**, and the grayscale version is **10.1776, 10.7076, 11.6606**.

A 20% lighter version of the original color is **23.0387, 31.6225, 15.2454**, and **2.0646, 3.7860, 0.6220** is the 20% darker color. If you saturate the color by 10%, you get **8.0850, 12.9016, 3.5551**, and if you desaturate by 10%, it is **9.5659, 13.6146, 5.9040**.

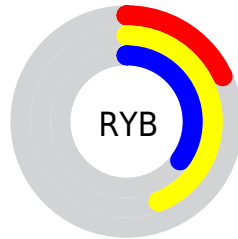
Distribution



Red (27%)

Green (44%)

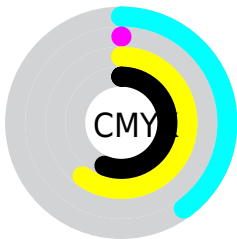
Blue (18%)



Red (18%)

Yellow (44%)

Blue (35%)

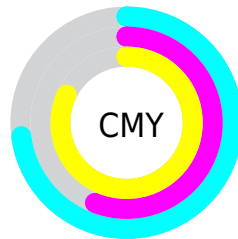


Cyan (40%)

Magenta (0%)

Yellow (60%)

Black (56%)



Cyan (73%)

Magenta (56%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.7627, 13.2287, 4.5742 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 8.7627, 13.2287, 4.5742 by changing the saturation by 10% instead.

■ 8.7627, 13.2287,
4.5742

■ 8.7627, 13.2287,
4.5742

175.8424,
212.3782, 154.4085

■ 4.6426, 7.5862,
1.9453

■ 23.1120, 31.7140,
15.3138

■ 2.0717, 3.8313,
0.5214

■ 34.0719, 45.3257,
24.2616

■ 0.6738, 1.5797,
0.0000

■ 48.0425, 62.3625,
36.1527

■ 0.0000, 0.3438,
0.0000

■ 65.3891, 83.2089,
51.4059

■ 0.0000, 0.0000,
0.0000

■ 86.4770, 108.2493,
70.4395

■ 111.6716,

137.8681, 93.6721

141.3383,
172.4496, 121.5222

■ 8.7627, 13.2287,
4.5742

■ 8.7627, 13.2287,
4.5742

■ 8.0850, 12.9016,
3.5551

■ 9.5659, 13.6146,
5.9040

■ 7.5246, 12.6284,
2.8205

■ 10.5002, 14.0604,
7.5660

■ 7.0736, 12.4060,
2.3415

■ 11.5721, 14.5695,
9.5809

■ 6.7128, 12.2271,
2.0063

■ 12.7873, 15.1444,
11.9675

■ 14.1511, 15.7874,
14.7431

■ 15.6685, 16.5008,
17.9241

■ 17.3444, 17.2868,
21.5258

■ 19.1834, 18.1474,
25.5629

■ 21.1898, 19.0845,
30.0492

Harmonies

Analogous

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



11.3109, 13.2287, 2.8553



8.7627, 13.2287, 4.5742



7.4057, 13.2287, 9.3734

Triad

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



8.7627, 13.2287, 4.5742



10.6659, 13.2287, 39.8972



19.9716, 13.2287, 10.9747

Complementary

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



8.7627, 13.2287, 4.5742



8.1362, 5.2432, 16.2068

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.



19.7152, 13.2287, 20.9728



8.7627, 13.2287, 4.5742



13.9267, 13.2287, 40.9751

Square

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



8.7627, 13.2287, 4.5742



8.3628, 13.2287, 30.4555



17.3544, 13.2287, 32.9589



18.0028, 13.2287, 5.2981

Rectangle

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



8.7627, 13.2287, 4.5742



7.1827, 13.2287, 14.9698



17.3544, 13.2287, 32.9589



20.1511, 13.2287, 13.8522

Sweetspot

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



8.7630, 13.2293, 4.5745



23.2917, 27.3039, 22.2212



10.8733, 10.8789, 4.0096



5.2627, 6.2559, 4.8907



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



8.7630, 13.2293, 4.5745



14.0768, 22.9070, 5.8153



7.6822, 12.6466, 5.6760



3.4416, 3.8130, 3.6279



7.5944, 13.8588, 2.2747



36.9932, 68.6047, 11.2923

Inverse Universe

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



8.1362, 5.2432, 16.2068



12.8122, 7.1867, 28.6874



10.1871, 6.3631, 13.4714



3.4101, 3.3997, 4.2307



6.6319, 3.0283, 17.9566



32.0897, 14.5972, 89.4054

Previews

White Background



This preview shows how the XYZ color 8.7627, 13.2287, 4.5742 looks on a white background.

Color Contrast Check

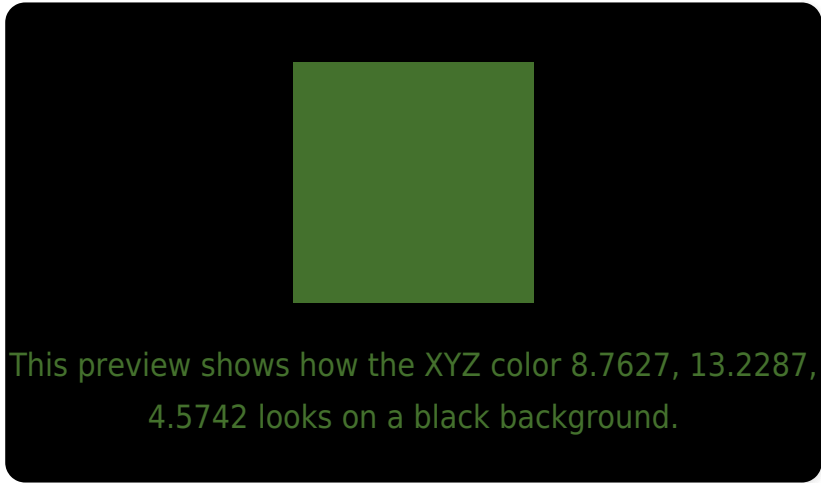
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 8.7627, 13.2287, 4.5742

Background



This preview shows how black text looks on a background with the XYZ color 8.7627, 13.2287, 4.5742.



This preview shows how white text looks on a background with the XYZ color 8.7627, 13.2287,

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

8.7627, 13.2287, 4.5742

Protanopia

11.9793, 13.1806, 4.1032

Deuteranopia

13.3079, 13.1397, 4.8524



Tritanopia

11.4157, 13.1852, 17.8629

Trichromacy



Original Color

8.7627, 13.2287, 4.5742

Protanomaly

10.5198, 13.0239, 4.2449

Deuteranomaly

11.0927, 12.8570, 4.6933

Tritanomaly

10.1735, 13.1544, 11.4540

Monochromacy



Original Color

8.7627, 13.2287, 4.5742

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.3945, 11.4613, 8.3737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7627, 13.2287, 4.5742 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(68, 113, 45)` looks like.

```
.text, #text, p{  
    color:rgb(68, 113, 45)  
}
```

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(68, 113, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 113, 45) }
```

Border

The CSS property to change the border of an element to XYZ 8.7627, 13.2287, 4.5742 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(68, 113, 45) }
```


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

```
.border{ border-color:rgb(68, 113, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 113, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 113, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 113, 45);  
box-shadow:4px 4px 4px 4px rgb(68, 113,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 8.7627, 13.2287, 4.5742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 113, 45) }
```

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

```
.background{ background-color: rgb(68, 113,  
45) }
```

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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